

**US Army Corps  
of Engineers**  
Memphis District  
Mississippi River Commission

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## **EASTERN ARKANSAS REGION COMPREHENSIVE STUDY**

### **GRAND PRAIRIE REGION AND BAYOU METO BASIN, ARKANSAS PROJECT**

#### **GRAND PRAIRIE AREA DEMONSTRATION PROJECT**

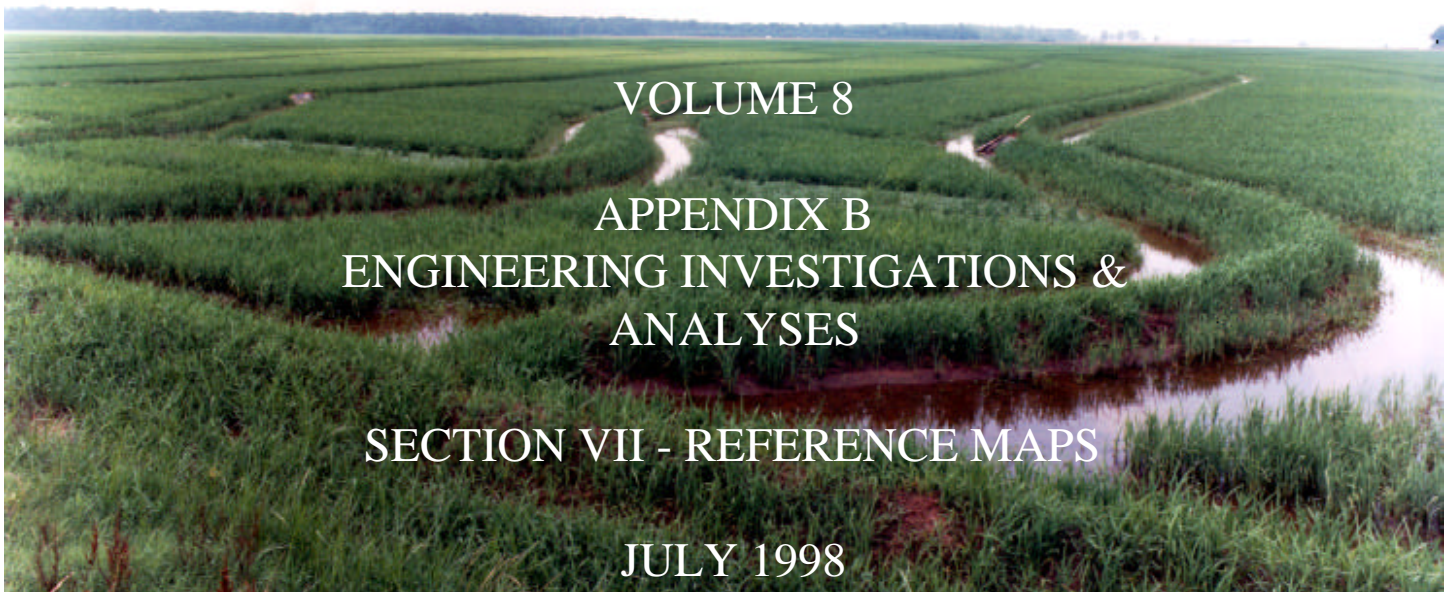
#### **GENERAL REEVALUATION REPORT**

**VOLUME 8**

**APPENDIX B  
ENGINEERING INVESTIGATIONS &  
ANALYSES**

**SECTION VII - REFERENCE MAPS**

**JULY 1998**





# **GRAND PRAIRIE AREA DEMONSTRATION PROJECT**

## **GENERAL REEVALUATION REPORT (GRR) INDEX**

	<u><b>VOLUME</b></u>
MAIN REPORT & PDEIS .....	1
APPENDIX A - NRCS ON-FARM REPORT .....	2
SECTION I - NATURAL RESOURCES PLAN FOR ON-FARM PORTION	
SECTION II - DOCUMENTATION REPORT	
APPENDIX B - ENGINEERING INVESTIGATIONS & ANALYSES	
SECTION I - HYDRAULICS & HYDROLOGY .....	3
SECTION II - GEOLOGY & SOILS .....	4
SECTION III - GENERAL ENGINEERING .....	5
SECTION IV - STRUCTURAL, ELECTRICAL, & MECHANICAL .....	5
SECTION V - MAJOR PUMPING STATION .....	6
SECTION VI - COST ENGINEERING REPORT .....	7
SECTION VII - REFERENCE MAPS .....	8
APPENDIX C - ENVIRONMENTAL .....	9
SECTION I - HABITAT EVALUATION SYSTEM (HES) ANALYSIS	
SECTION II - MITIGATION & ENVIRONMENTAL FEATURES	
SECTION III - WATER QUALITY	
SECTION IV - SECTION 404(b)(1) EVALUATION	
SECTION V - FISHERIES	
SECTION VI - COORDINATION	
SECTION VII - HABITAT MAPS	
SECTION VIII - CULTURAL RESOURCES	
SECTION IX - HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE	
APPENDIX D - ECONOMICS .....	10
SECTION I - OPTIMIZATION OF PROJECT FEATURES	
SECTION II - IMPORT SYSTEM OPTIMIZATION	
SECTION III - OPTIMIZATION OF ON-FARM FEATURES AND WHITE RIVER WITHDRAWALS	
APPENDIX E - REAL ESTATE .....	10
APPENDIX F - LEGAL & INSTITUTIONAL STUDIES .....	11
APPENDIX G - QUALITY CONTROL PLAN .....	12
& QC/QA DOCUMENTATION	
APPENDIX H - COORDINATION ACT COMPLIANCE .....	13



## APPENDIX B

### SECTION VII - REFERENCE MAPS

The purpose of this appendix is to present graphically the project area along with the features of the selected plan. Due to the magnitude and complexity of the project all of the project features could not be conveyed on a single set of maps. Instead the project area is subdivided and depicted on a set of base maps. The coverage of the individual base maps coincides with the coverage presented on the standard 7-1/2 minute USGS quadrangles for the project area; however, the scale selected for plotting is the same as for the USGS 15 minute quadrangles (1:62,500). The USGS naming convention for the 7-1/2 minute quadrangles has been retained for the base maps. Also, for reference purposes an alphanumeric naming system is presented in conjunction with the USGS designation. An index map showing spatial relationships of the individual maps is provided for easy reference. A composite map of the project areas of the Eastern Arkansas Region Comprehensive Study and a Vicinity map of the eastern Arkansas region are included. For clarity several series of these base maps have been generated with each series depicting a specific type or types of project features. A general description of the components comprising the various series of maps are discussed below. Detailed information regarding the specifics of the project features depicted can be obtained by referencing the text of the report.

#### **PROJECT MAP**

The project map is in essence the same as the base map. It includes geographical features such as towns, railroads, major highways, existing streams, large reservoirs, lakes, etc., that are normally depicted on standard USGS quadrangles. The demonstration project boundary, item boundaries, and the alignment of distribution canals and pipelines are also shown.

#### **CULVERTS & BRIDGES**

Physical location and naming/numbering convention of culverts and bridges necessary to pass the water across existing roads and railroads is presented on this series of maps. The numbering system used is not sequential. Culverts and bridges were assigned the same numeric ID as utilized for the utilities at the site. This system was used to minimize references and avoid confusion.

#### **HYDRAULIC STRUCTURES**

This series depicts the approximate physical location of hydraulic structures along the



distribution system. These structures include lateral turnouts, in-line check structures, wasteways and pumps.

## **UTILITIES**

All utility crossings of the distribution system were identified and assigned a unique identification number. This series of maps depicts the graphical location of the utility crossings and their identification number. It should be noted that this series depicts only the crossing and not the numbers or types of facilities at the crossing. This information is available in Volume 5, Appendix B, Section III - General Engineering & Relocations.

## **SIPHONS**

The locations and naming system for the siphons required are presented. Siphons differ from other hydraulic structures in that they are used to maintain the existing natural drainage patterns after construction of the distribution canals. Depending on flow volumes, natural drainage may flow over or beneath the irrigation canals.

## **WETLANDS ( HABITAT TYPE )**

Though this series of maps are referred to as "Wetlands" they do present all "Habitat Types" within the project area. The distribution system is presented as closed trapezoidal areas which represent the anticipated R.O.W. required to construct the project. This is necessary to quantify the various habitat types that would be impacted by project implementation. An index sheet specific to this series of maps is presented preceding the wetland maps.

## **WEIRS**

Location and numbering of proposed weirs along the existing streams are presented within this series of maps. These weirs are used to maintain a minimum upstream pool elevation.

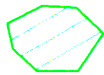
## **TRACTS**

A tract identification number was assigned to all tracts within the project area. These identification numbers were used in developing the water balance model and will be used as a reference in developing the on farm water management plans.



# EASTERN ARKANSAS REGION COMPREHENSIVE STUDY

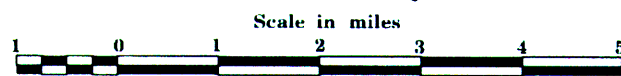
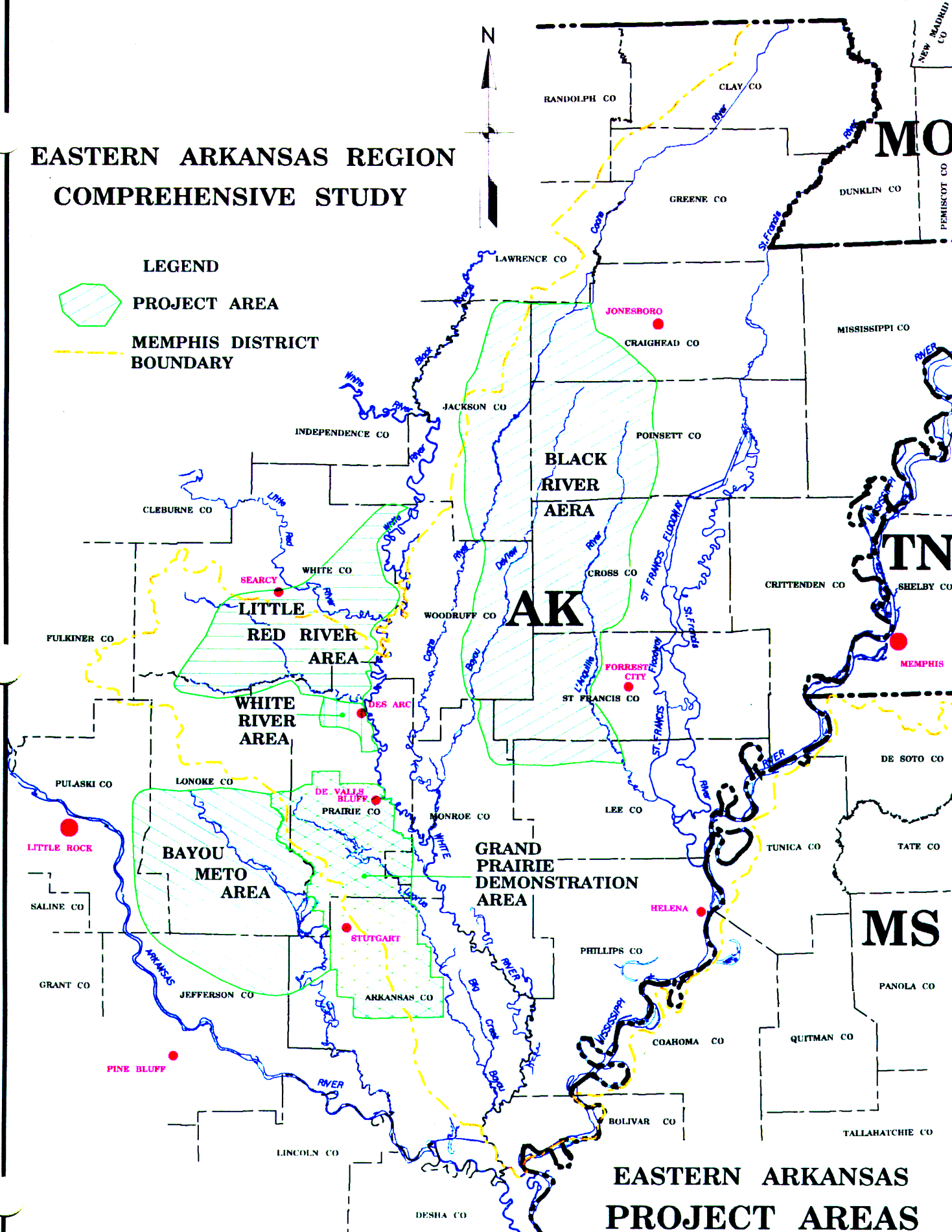
## LEGEND



PROJECT AREA



MEMPHIS DISTRICT  
BOUNDARY



EASTERN ARKANSAS  
PROJECT AREAS



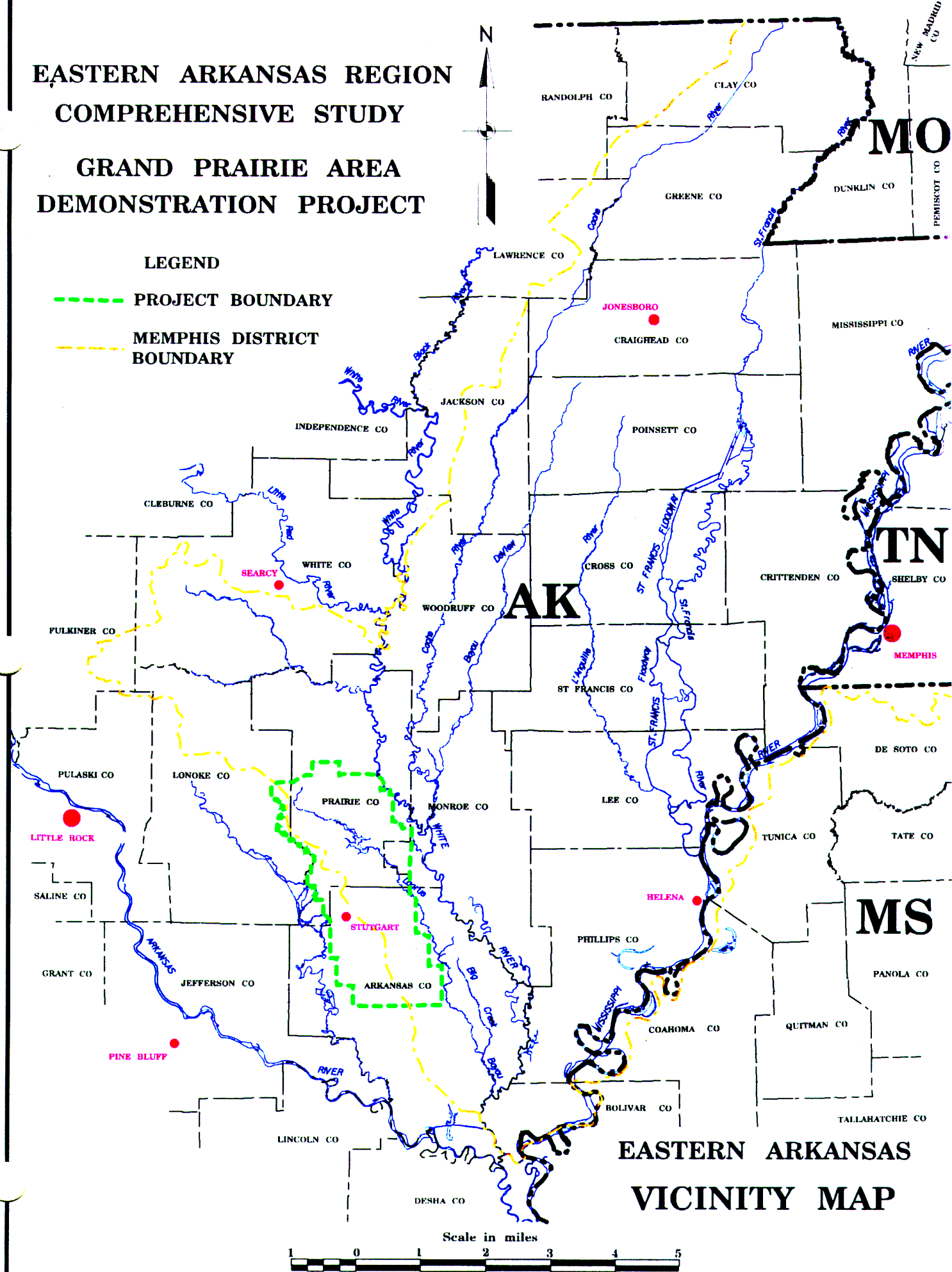
# EASTERN ARKANSAS REGION COMPREHENSIVE STUDY

## GRAND PRAIRIE AREA DEMONSTRATION PROJECT

### LEGEND

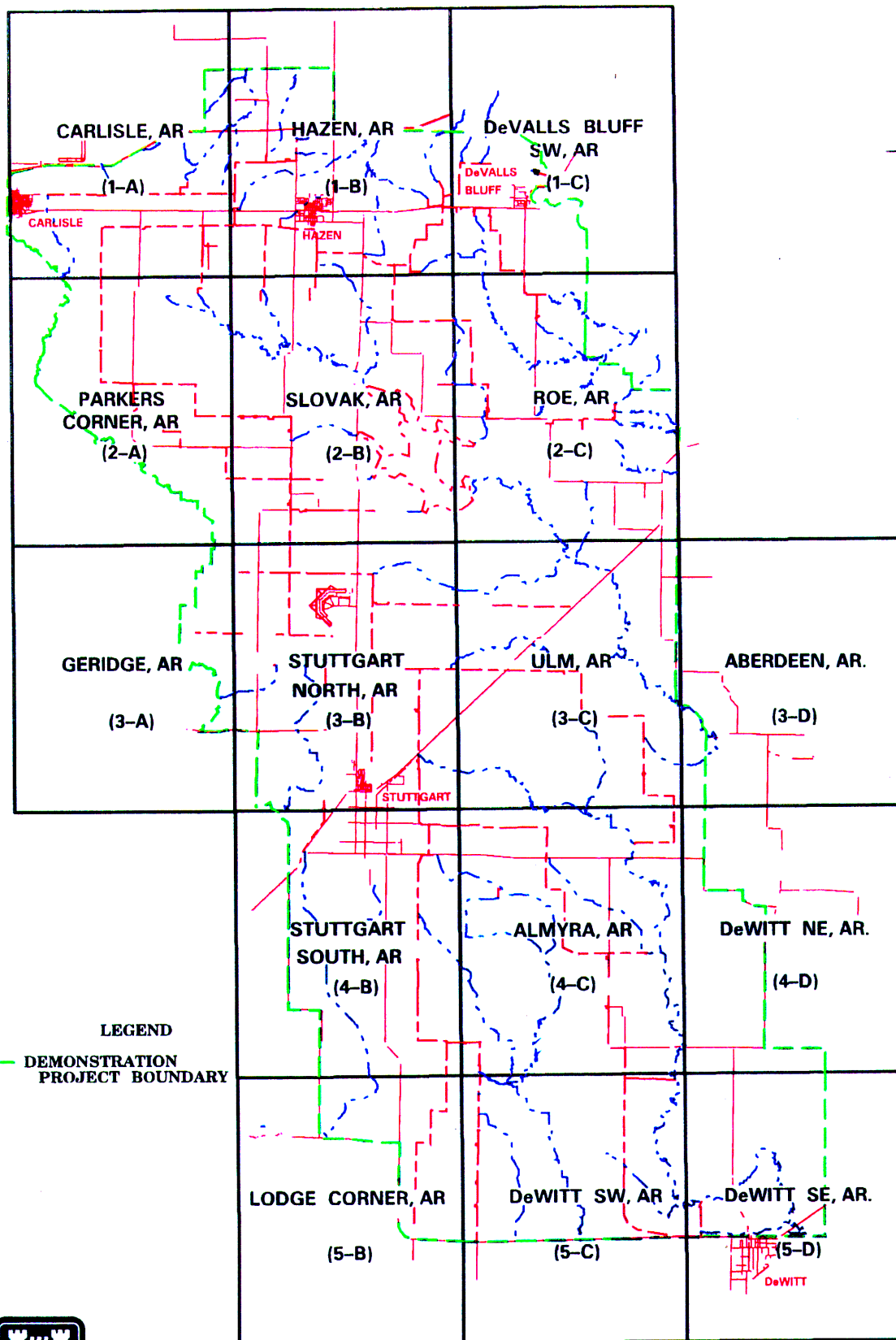
--- PROJECT BOUNDARY

--- MEMPHIS DISTRICT  
BOUNDARY



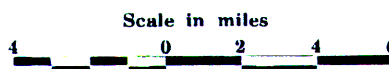
EASTERN ARKANSAS  
VICINITY MAP





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Memphis District

**EASTERN ARKANSAS REGION  
COMPREHENSIVE STUDY  
GRAND PRAIRIE AREA DEMONSTRATION PROJECT  
INDEX MAP**







**US Army Corps  
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Memphis District**

LEGEND

-  DEMONSTRATION  
 PROJECT BOUNDARY  
 EXISTING CHANNEL  
 PIPELINE  
 NEW CANAL  
 ITEM BOUNDARIES

SCALE 1:62500



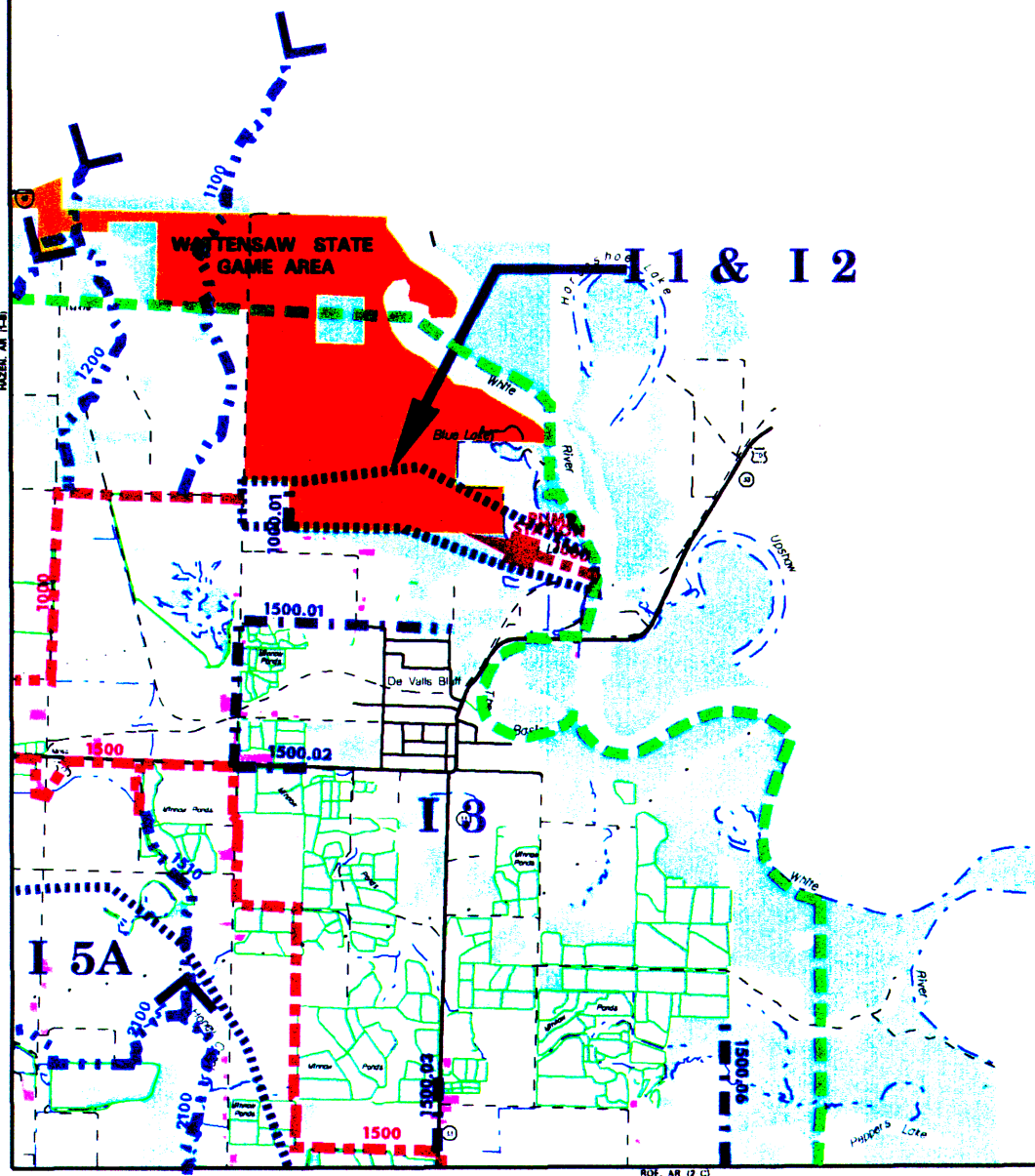
**CARLISLE, AR. (1-A)**

## PROJECT MAP
















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Memphis District

LEGEND

	DEMONSTRATION		EXISTING CHANNEL
	PROJECT BOUNDARY		PIPELINE
	NEW CANAL		ITEM BOUNDARIES
	MAJOR PUMPING STATION		

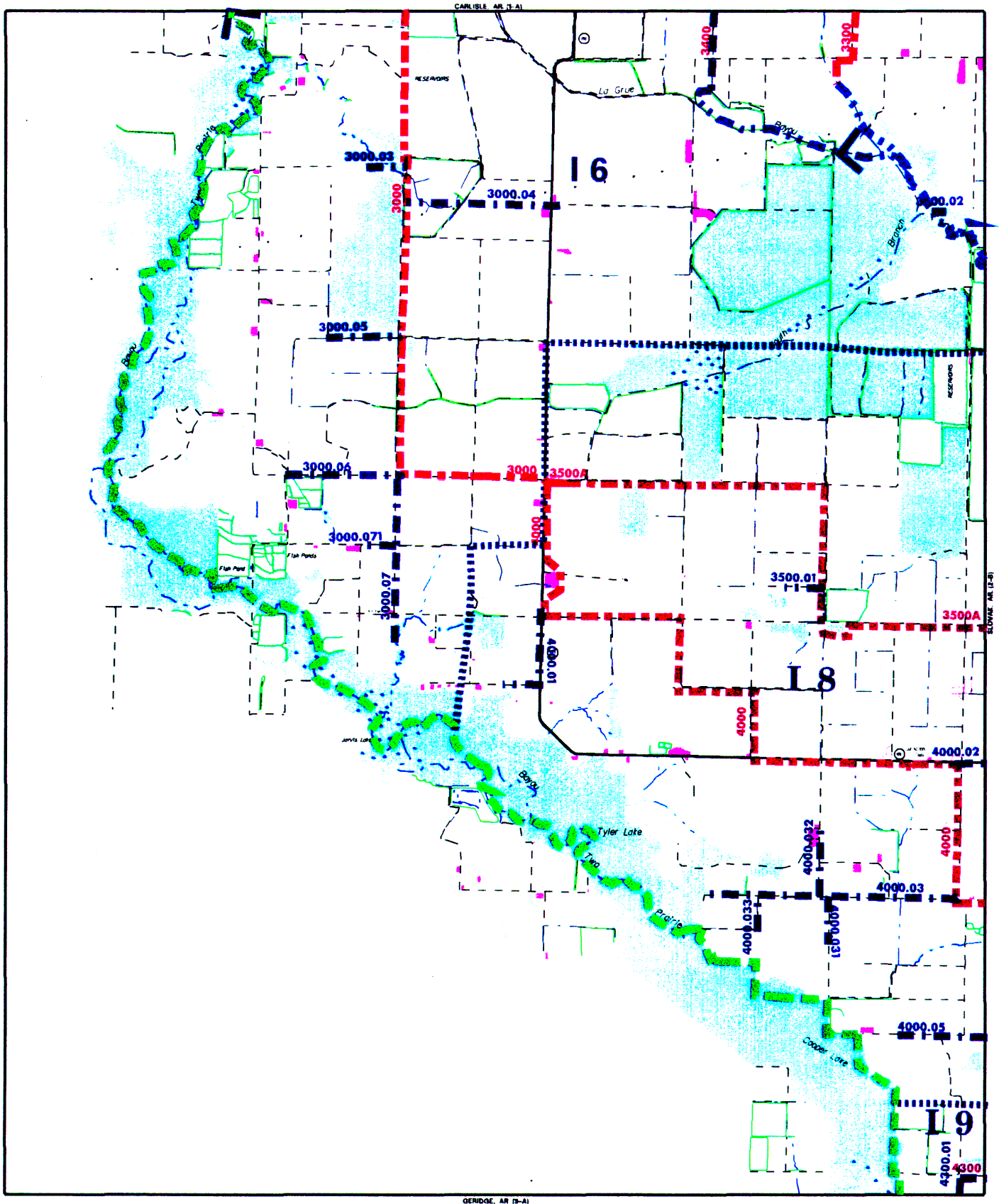
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DeVALLS BLUFF SW, AR (1-C)

PROJECT MAP





  
 US Army Corps  
 of Engineers  
 Memphis District

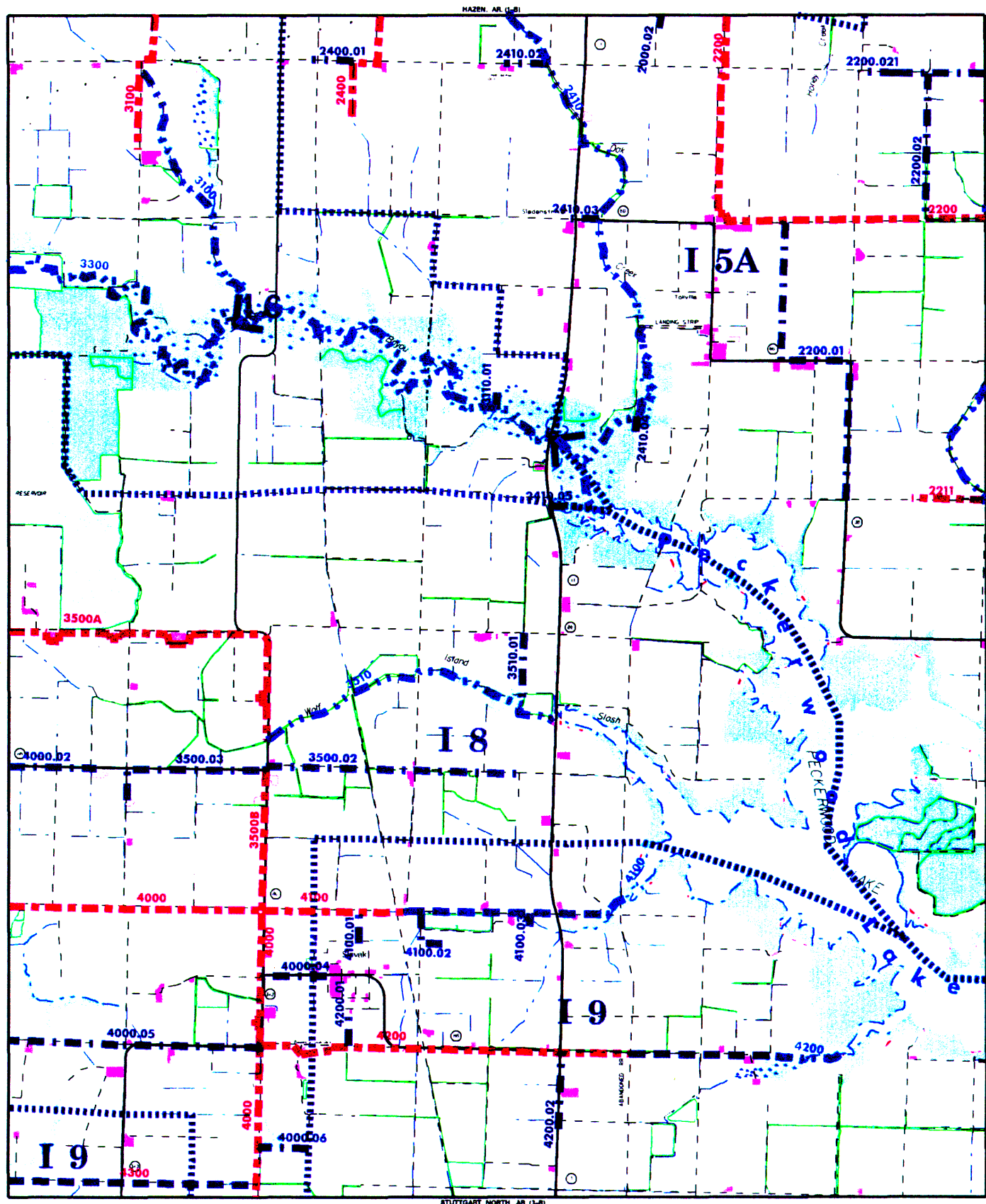
DEMONSTRATION  
 PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 TEM BOUNDARIES

SCALE 1:62500



PARKERS CORNER, AR. (2-A)  
 PROJECT MAP





  
 US Army Corps  
 of Engineers  
 Memphis District

LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 HYDRAULIC BOUNDARY  
 TEM. BOUNDARIES

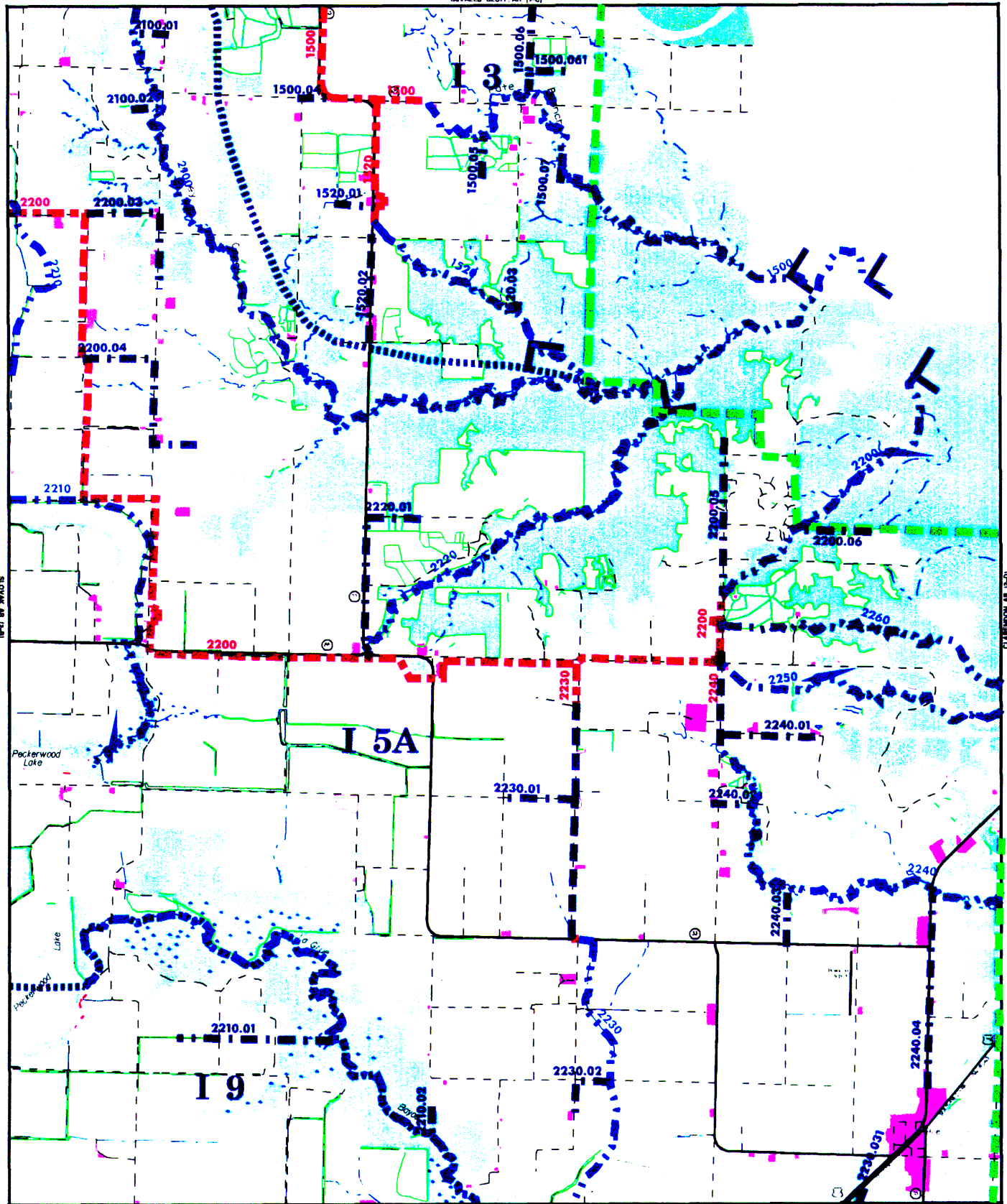
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SLOVAK, AR. (2-B)  
 PROJECT MAP



DeVALLS BLUFF, AR (1-C)



ULM, AR (13-C)



US Army Corps  
of Engineers  
Memphis District

- LEGEND
- DEMONSTRATION PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - ITEM BOUNDARIES

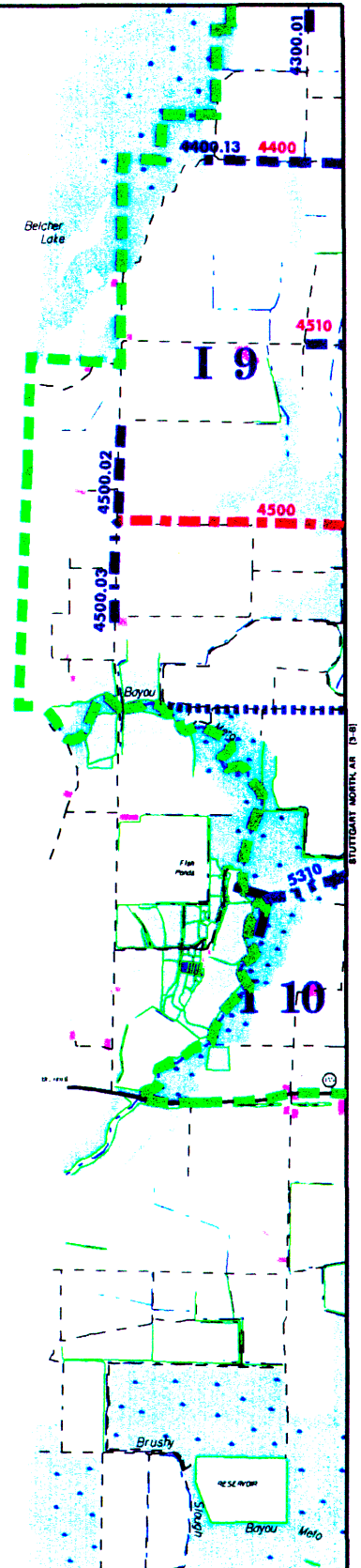
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ROE, AR (2-C)

PROJECT MAP





US Army Corps  
of Engineers  
Memphis District

LEGEND

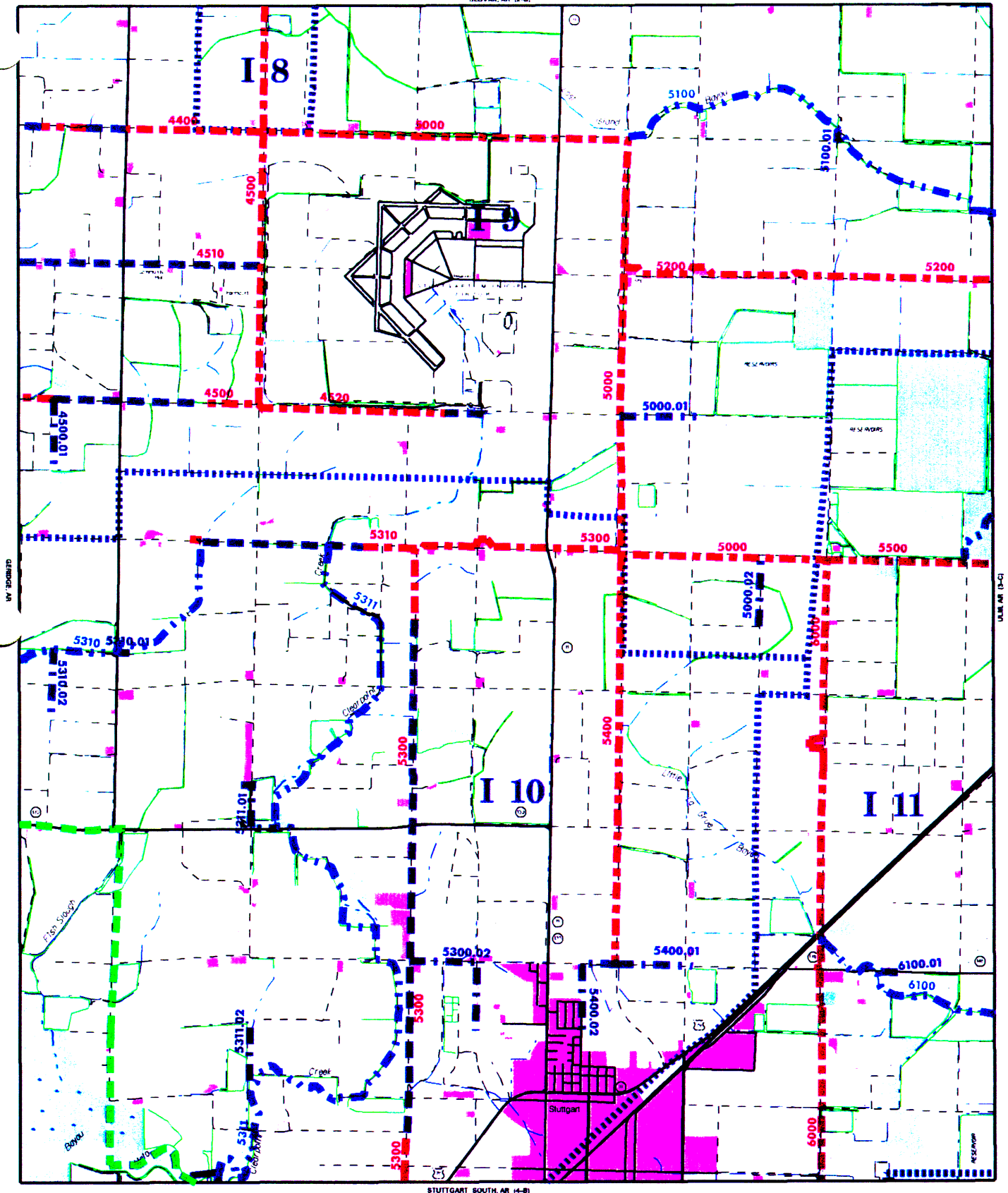
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<span style="color: red;">---</span> NEW CANAL	<span style="color: black;">---</span> PIPELINE
	<span style="color: blue;">•••••</span> ITEM BOUNDARIES

SCALE 1"=62500'



GERIDGE, AR (3-A)  
PROJECT MAP





STUTTART SOUTH, AR (4-B)



US Army Corps  
of Engineers  
Memphis District

LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES

SCALE 1:62,500

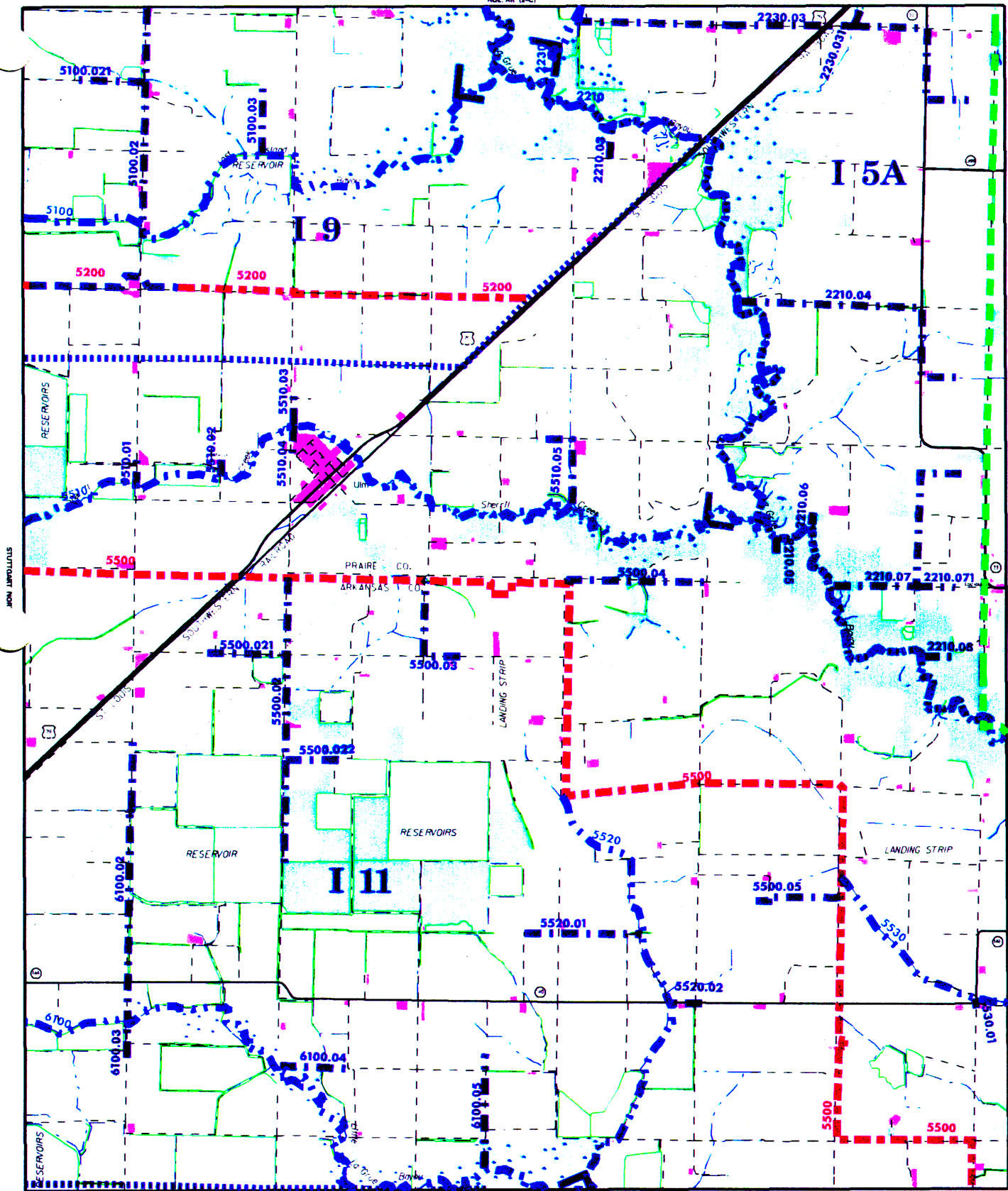


STUTTART NORTH, AR (3-B)

PROJECT MAP



ROE, AR (2-C)



ALMYRE, AR (4-C)



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Memphis District

- LEGEND
- DEMONSTRATION
  - PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - ITEM BOUNDARIES

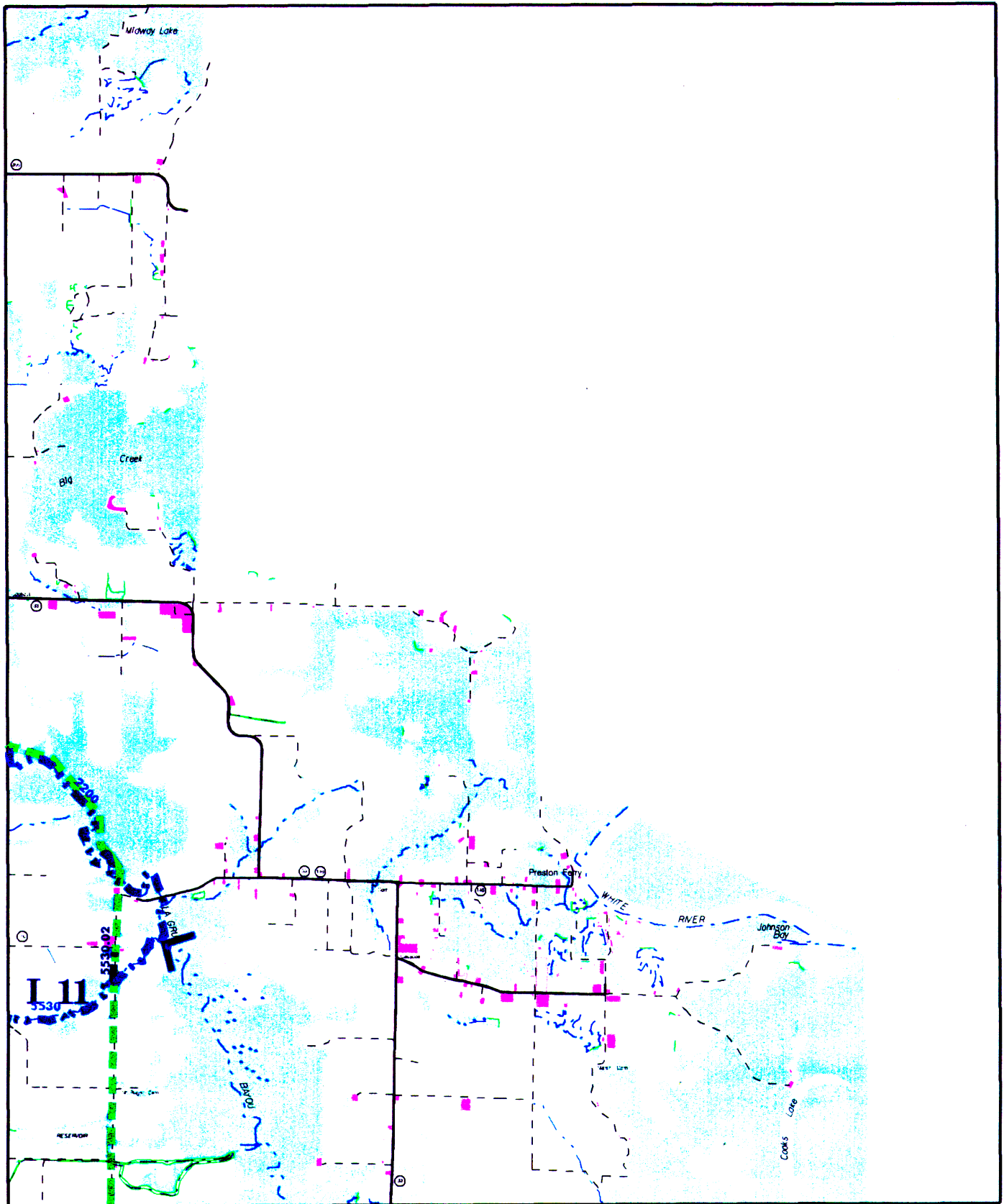
SCALE 1:62500



ULM, AR (3-C)

PROJECT MAP





**US Army Corps  
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Memphis District

DEMONSTRATION  
PROJECT BOUNDARY  
NEW CANAL

## LEGEND:

EXISTING CHANNEL  
PIPELINE  
TEM BOUNDARIES

SCALE 1:62500

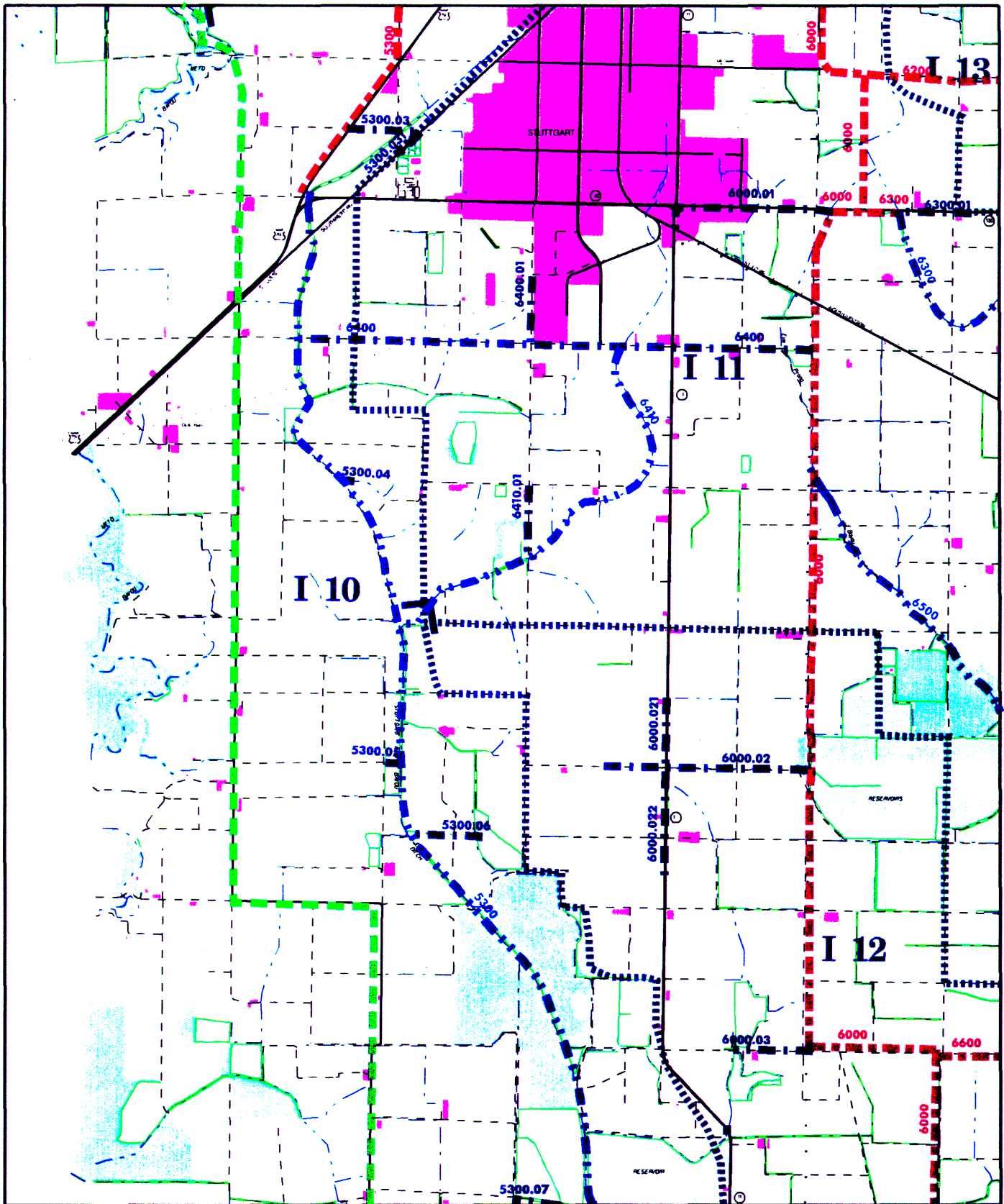


ABERDEEN, AR. (3-D)

PROJECT MAP



STUTTGART NORTH, AR (3-B)



LODGE CORNER, AR (5-B)



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Memphis District

LEGEND

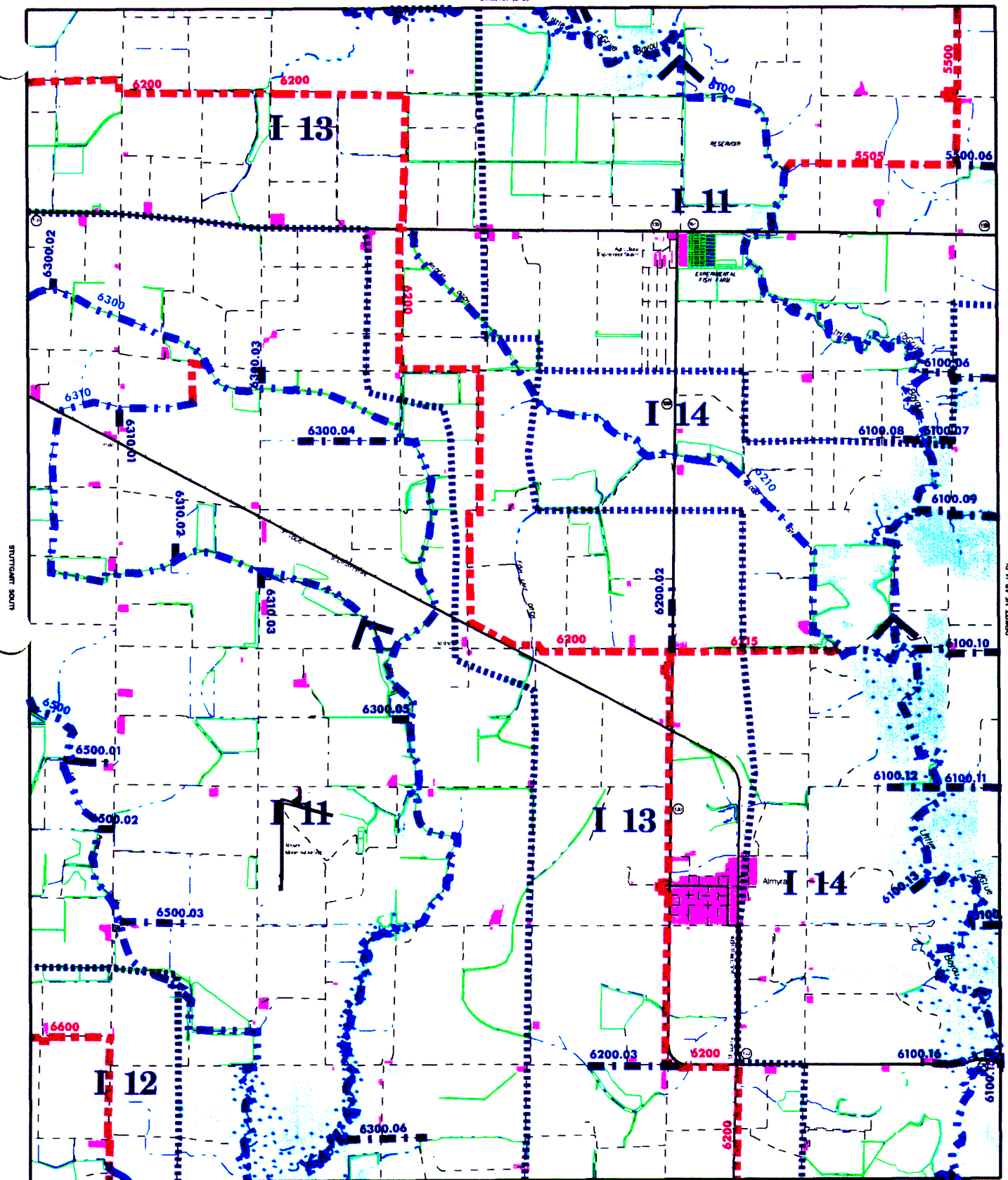
- DEMONSTRATION PROJECT BOUNDARY
- NEW CANAL
- EXISTING CHANNEL
- PIPELINE
- ITEM BOUNDARIES

SCALE 1:62500



STUTTGART SOUTH, AR (4-B)  
PROJECT MAP





  
 US Army Corps  
 of Engineers  
 Memphis District

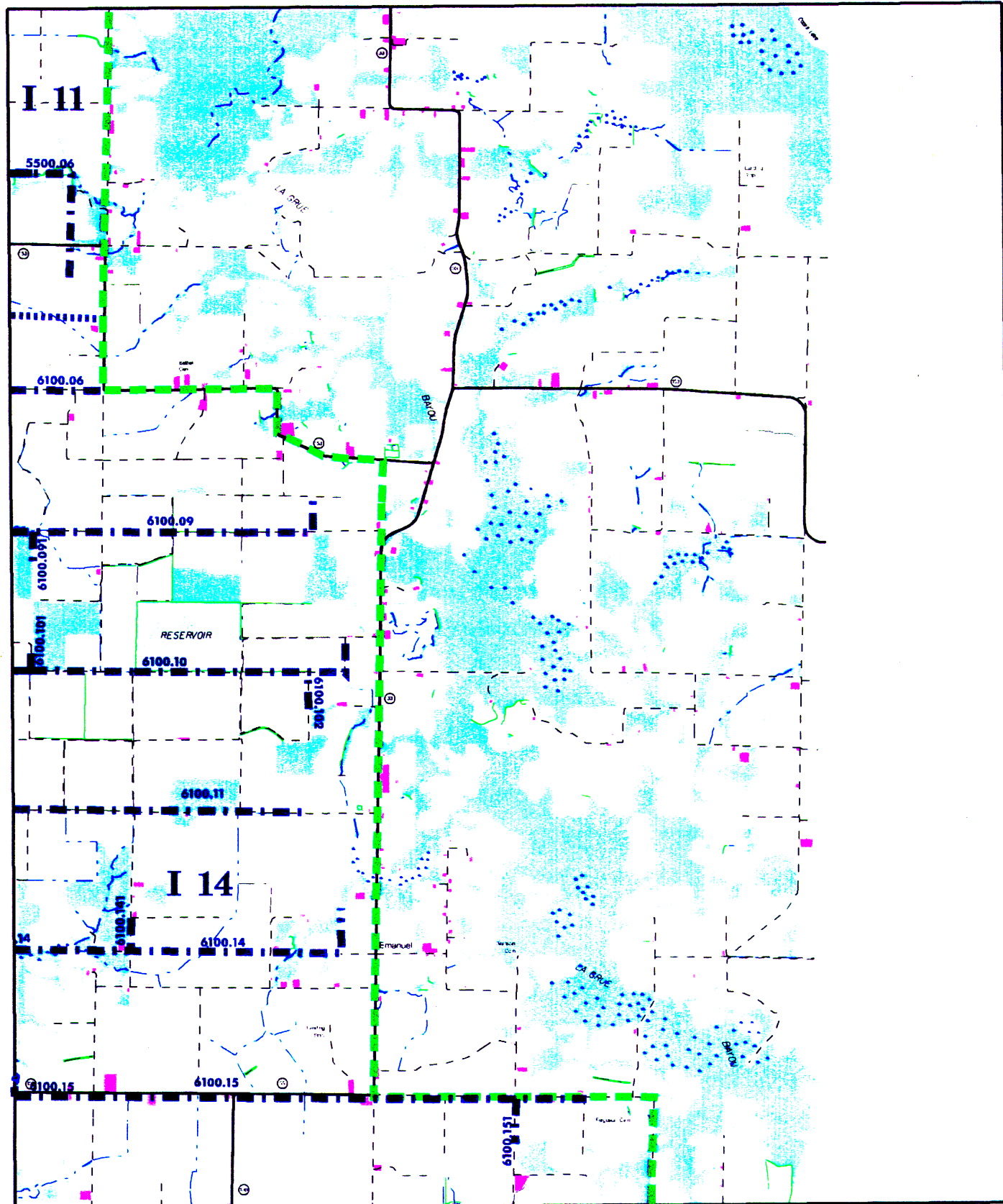
LEGEND  
 DEMONSTRATION  
 PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES

SCALE 1:62,500

ALMYRA, AR (4-C)


PROJECT MAP





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Memphis District

### LEGEND

-  DEMONSTRATION  
 PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES

SCALE : 62500

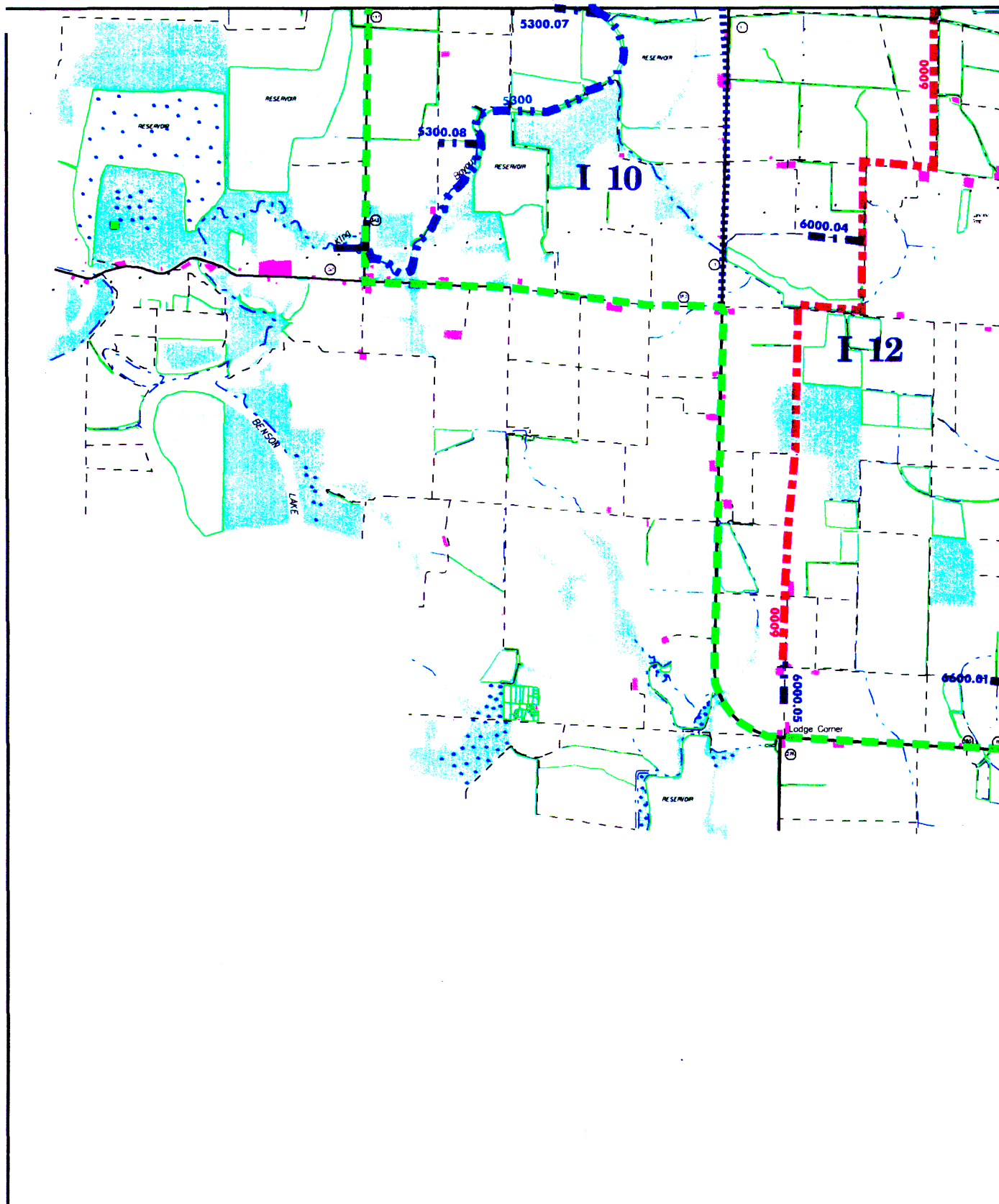


DeWITT NE, AR. (4-D)

## PROJECT MAP



STUTTGART SOUTH, AR (4-B)



DAWITT SW, AR (4-C)



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LEGEND

- DEMONSTRATION PROJECT BOUNDARY
- NEW CANAL
- EXISTING CHANNEL
- PIPELINE
- TEMP BOUNDARIES

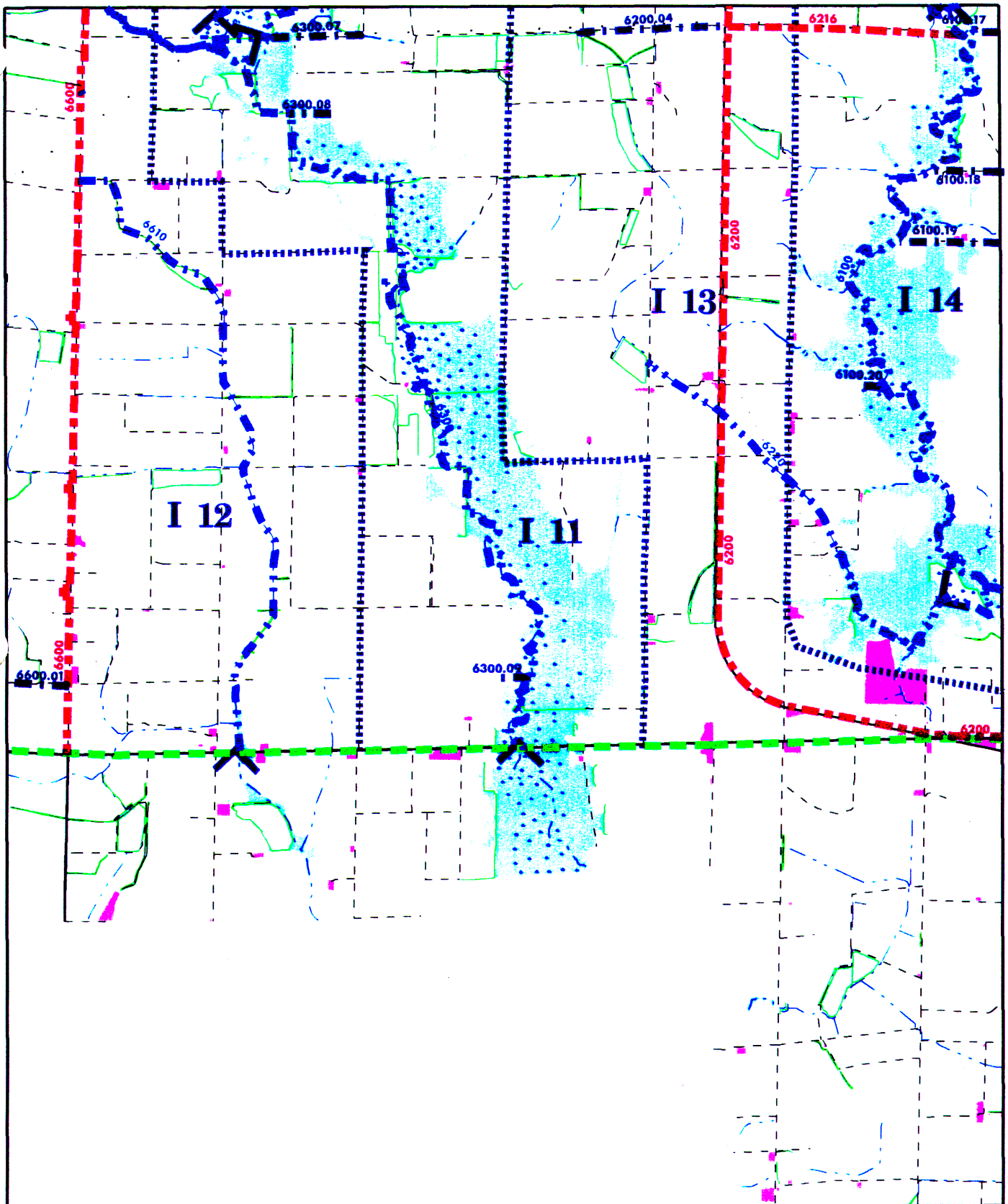
SCALE 1"=62500'



LODGE CORNER, AR (5-B)

PROJECT MAP





LOOSE CORNER

DeWITT, AR (5-D)



US Army Corps  
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Memphis District

LEGEND

<span style="color: green;">—</span> DEMONSTRATION PROJECT BOUNDARY	<span style="color: blue;">—</span> EXISTING CHANNEL
<span style="color: red;">—</span> NEW CANAL	<span style="color: black;">—</span> PIPELINE
	<span style="color: black;">—</span> ITEM BOUNDARIES

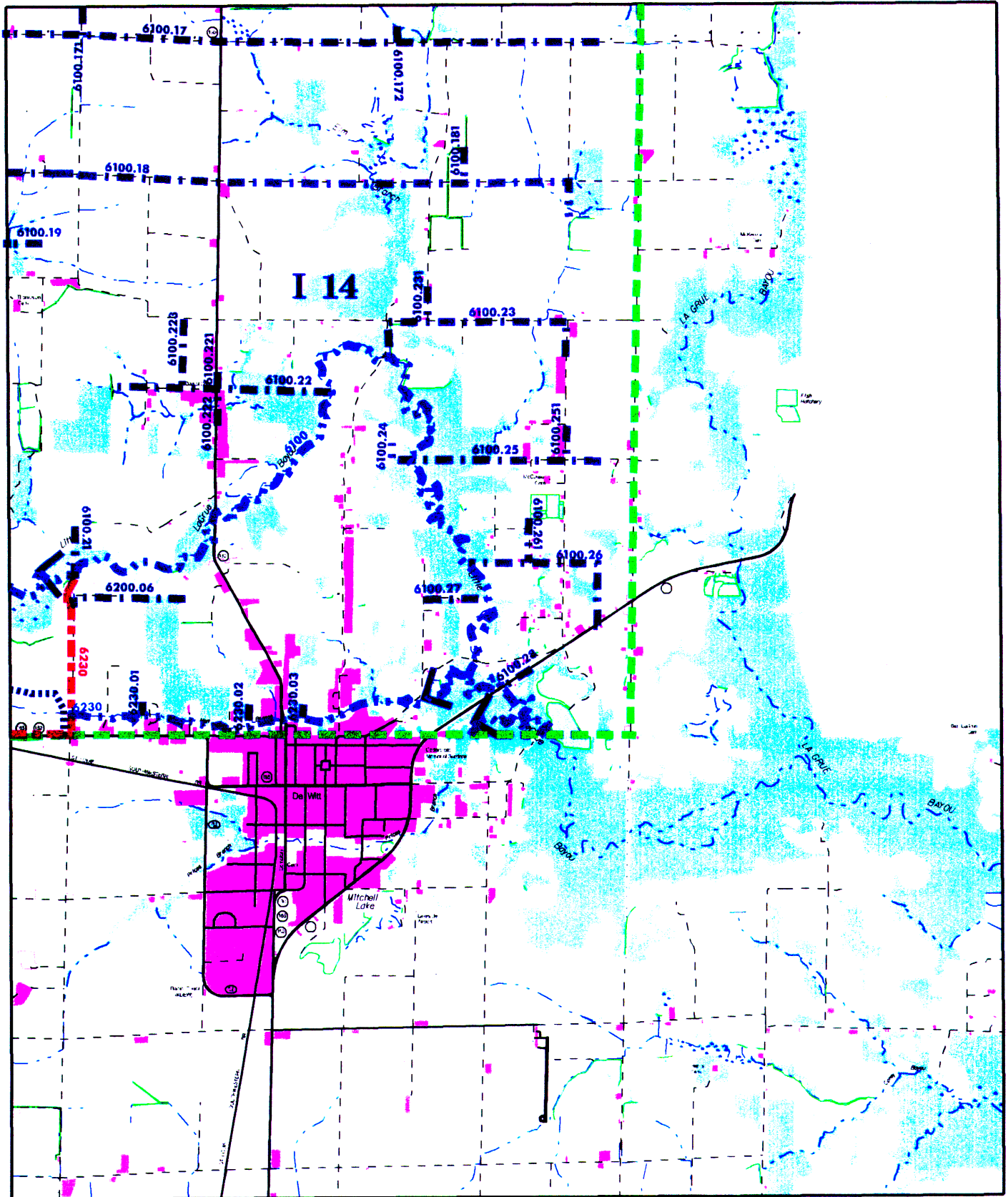
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DeWITT SW, AR (5-C)

PROJECT MAP





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Memphis District**

**LEGEND**  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES

SCALE 1:62500



**DeWITT SE, AR. (5-D)  
PROJECT MAP**

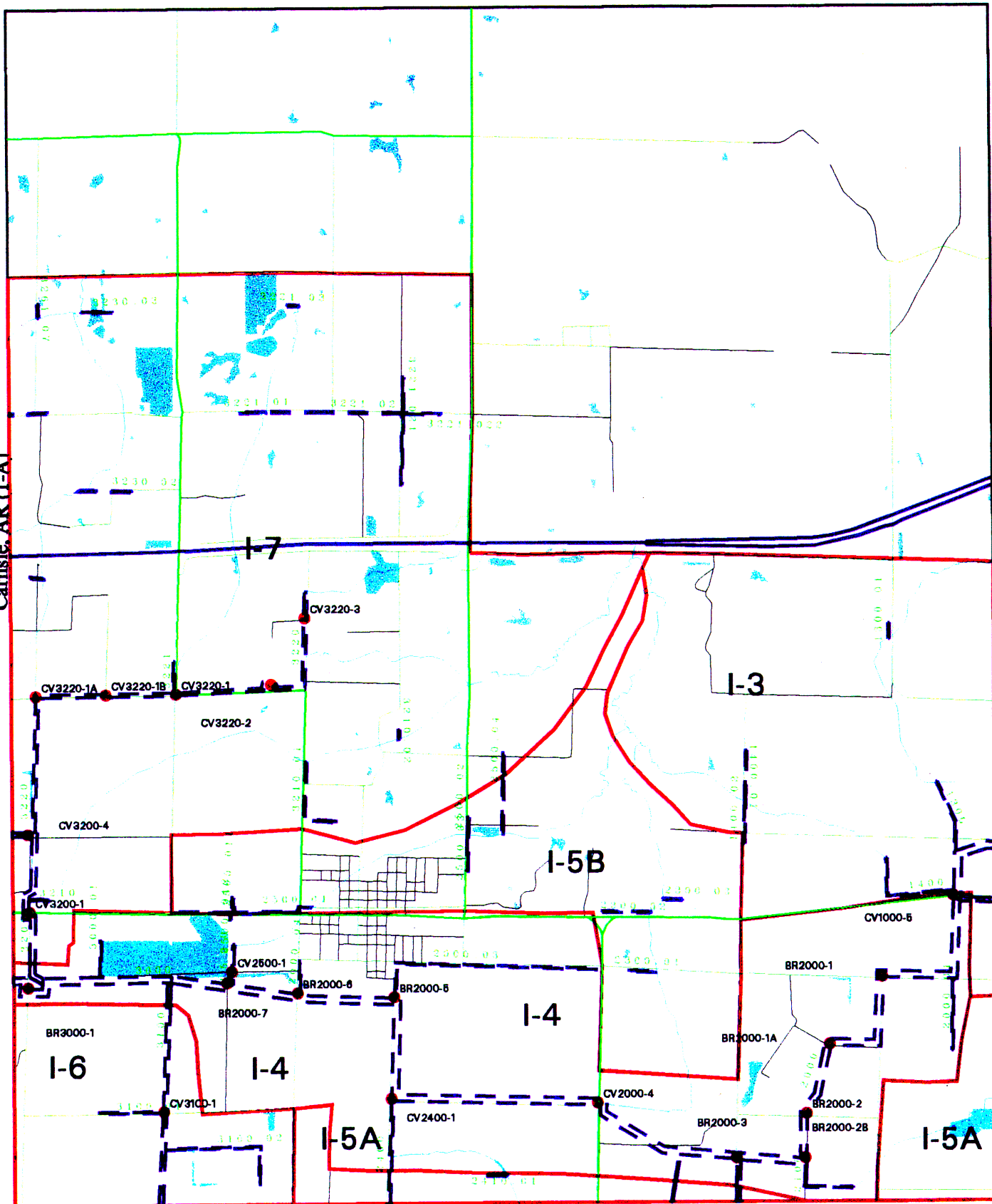






Carlisle, AR (1-A)

DeValls Bluff SW, AR (1-C)



Slovak, AR (2-B)

Hazen, AR (1-B)  
Culverts & Bridges

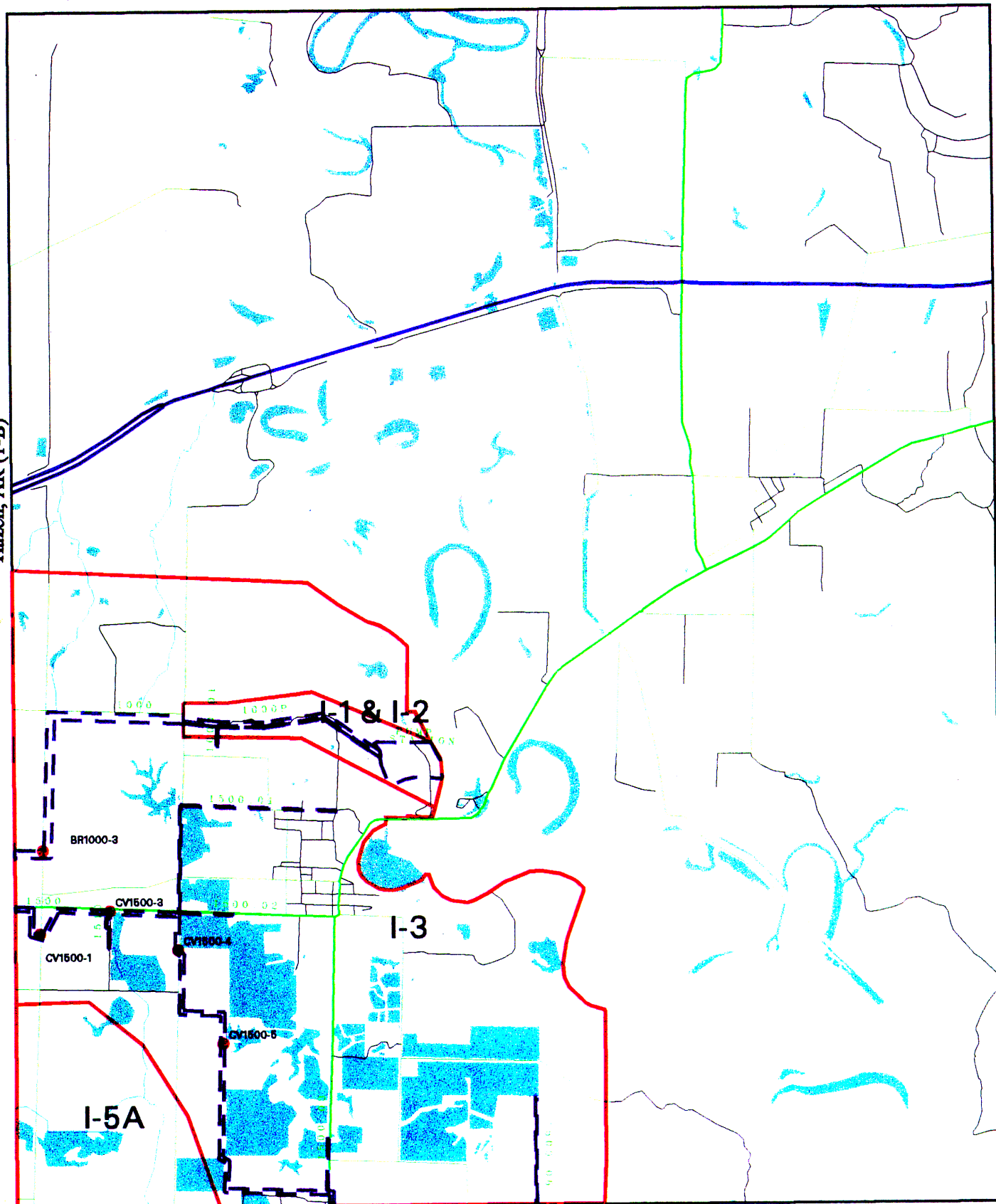


GROUND WATER INSTITUTE  
The University of Memphis



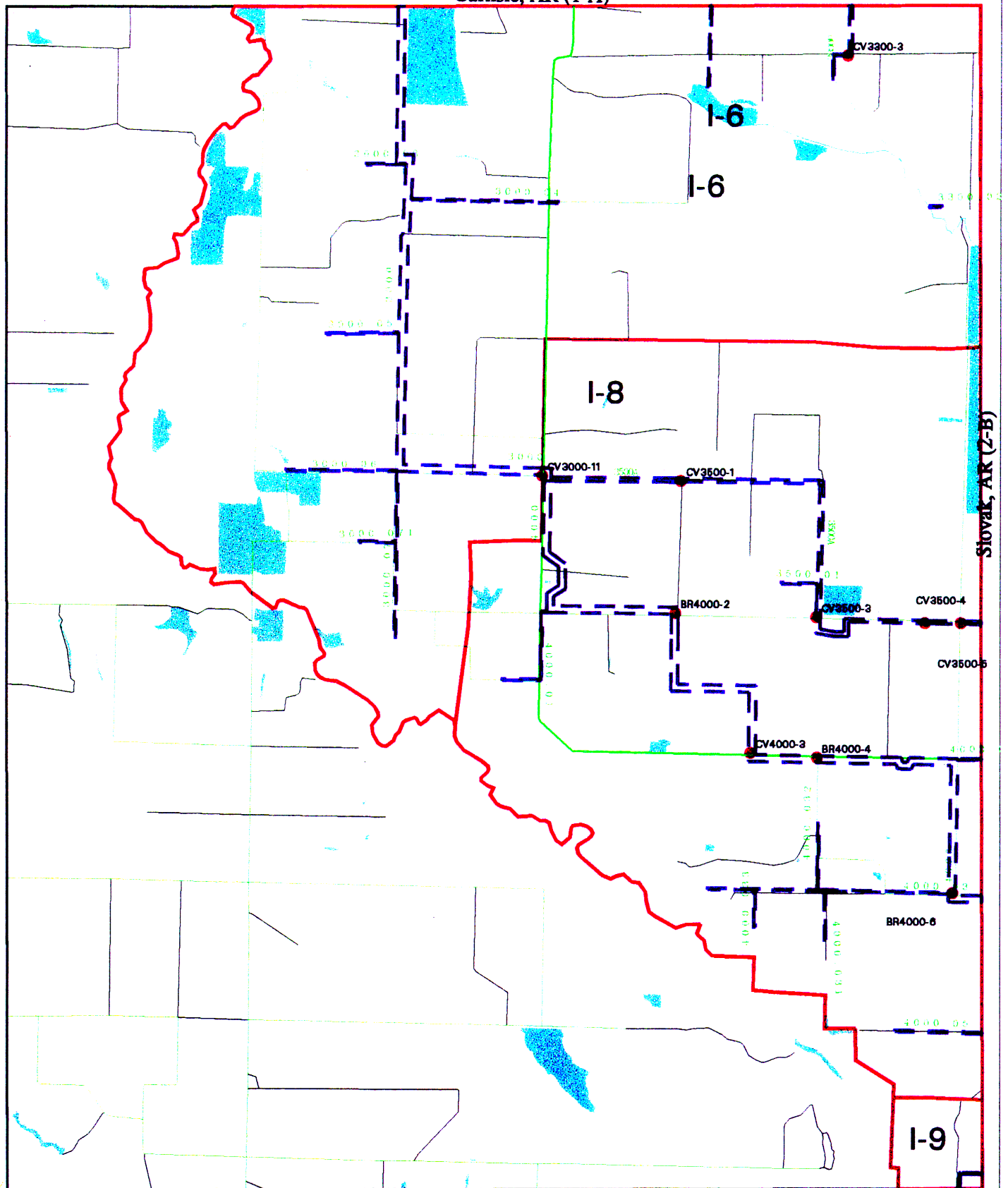
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Carlisle, AR (1-A)



Slovak, AR (2-B)

Geridge, AR (3-A)



Parkers Corner, AR (2-A)  
Culverts & Bridges

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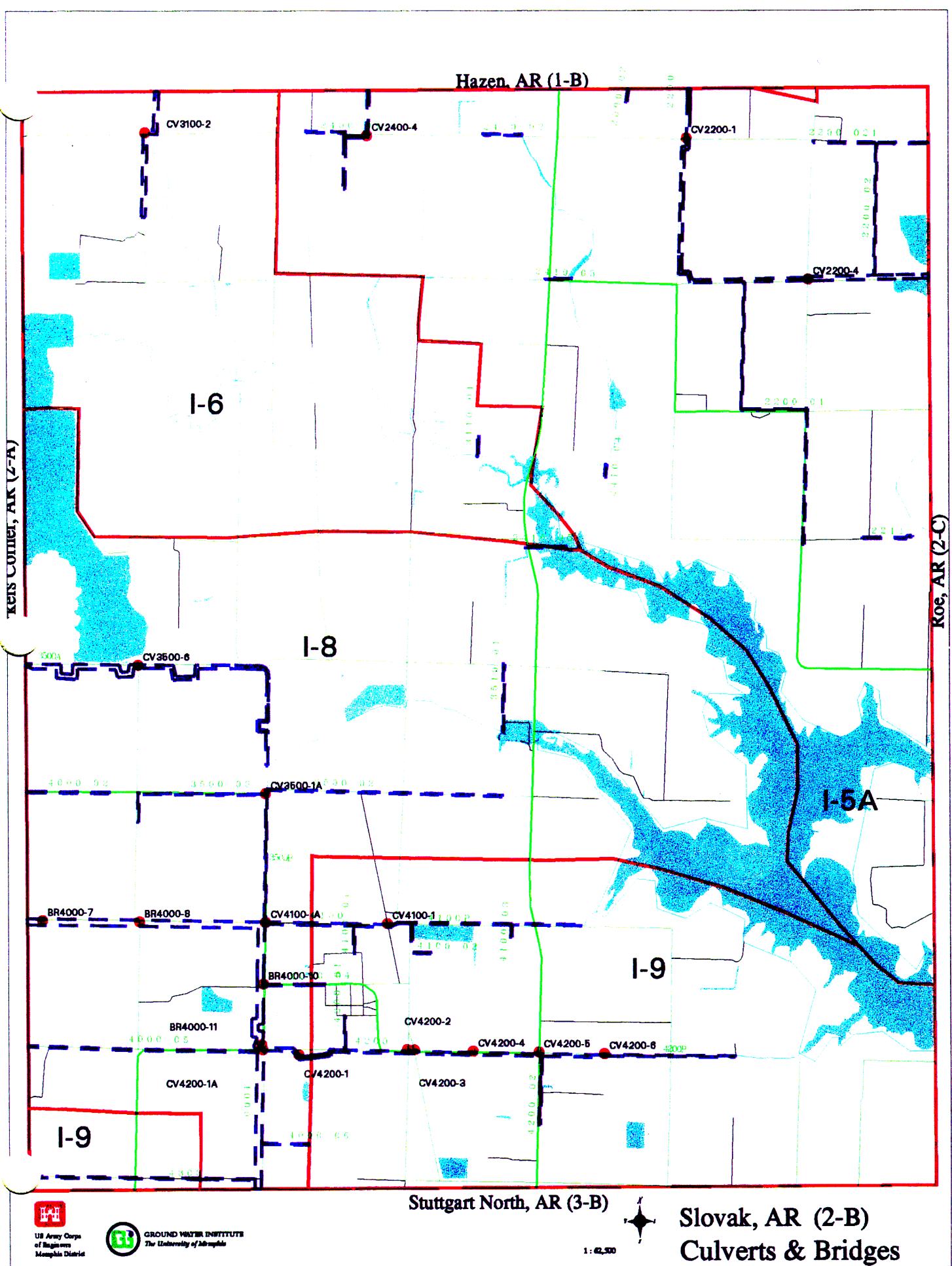


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Memphis District



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Hazen, AR (1-B)

CV3100-2

CV2400-4

CV2200-1

2200 021

CV2200-4

I-6

I-8

CV3500-6

I-5A

CV3500-1A

I-9

BR4000-7

BR4000-8

CV4100-1A

CV4100-1

BR4000-11

CV4200-2

CV4200-4

CV4200-5

CV4200-6

CV4200-1A

CV4200-1

CV4200-3

I-9

Stuttgart North, AR (3-B)

Slovak, AR (2-B)

Culverts & Bridges

1:62,500



DeValls Bluff SW, AR (1-C)

Slovak, AR (2-B)

I-3

I-9

Ulm, AR (3-C)

Roe, AR (2-C)  
Culverts & Bridges



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Memphis District



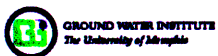
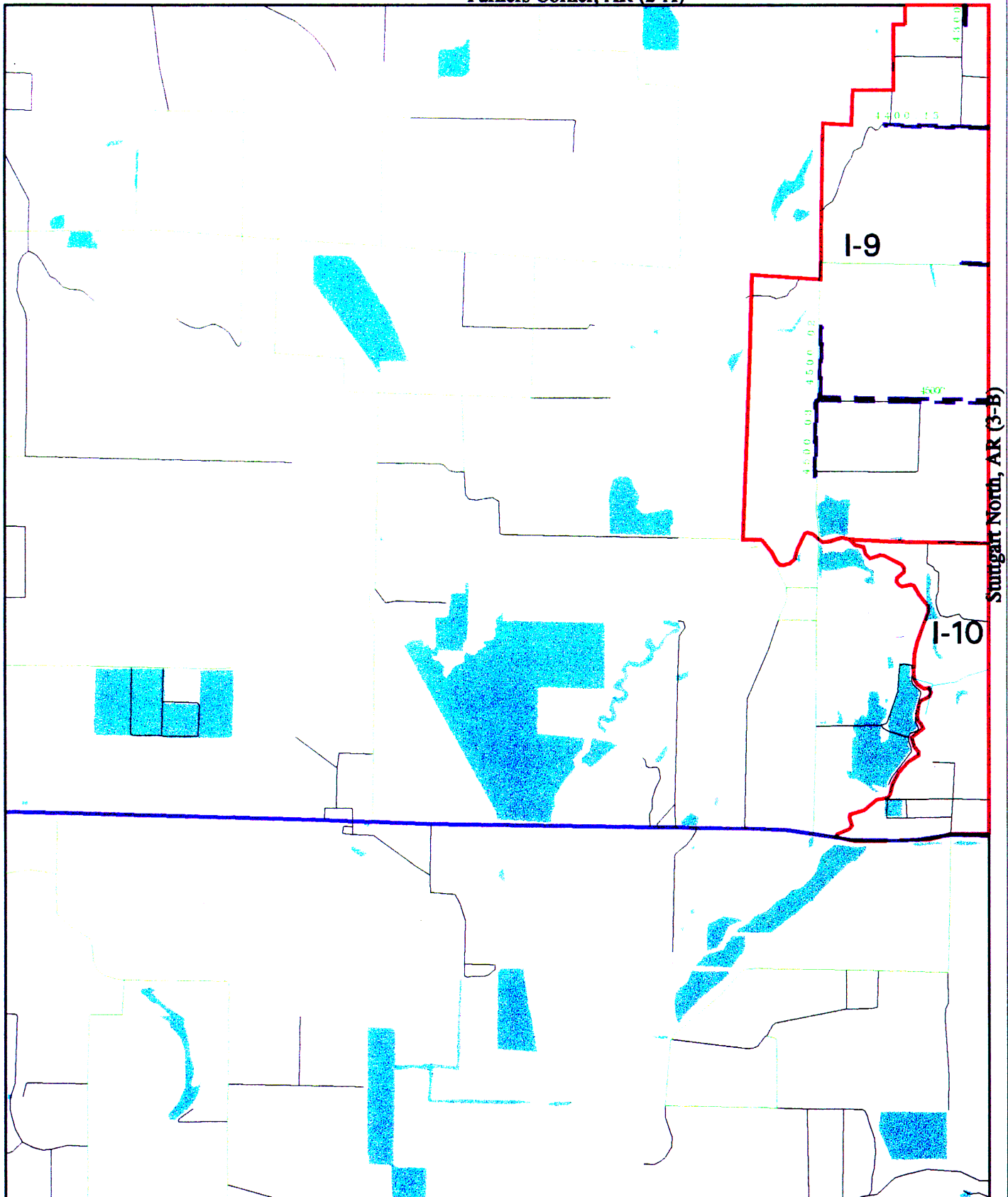
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Parkers Corner, AR (2-A)

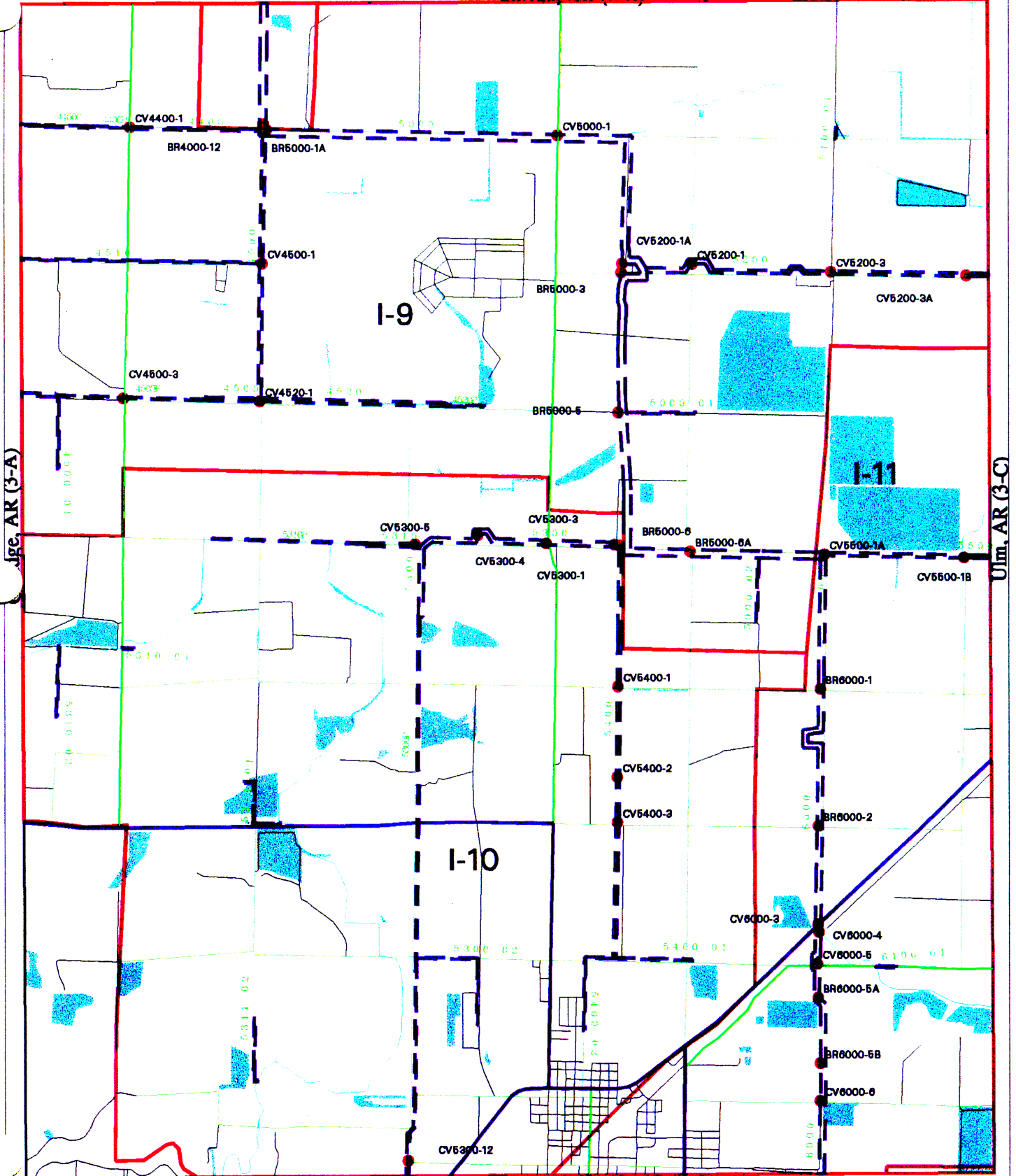


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Geridge, AR (3-A)  
Culverts & Bridges



Slovak, AR (2-B)



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Stuttgart South, AR (4-B)

Stuttgart North, AR (3-B)  
Culverts & Bridges

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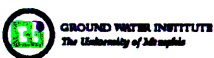
Stuttgart North, AR (3-B)

Roe, AR (2-C)

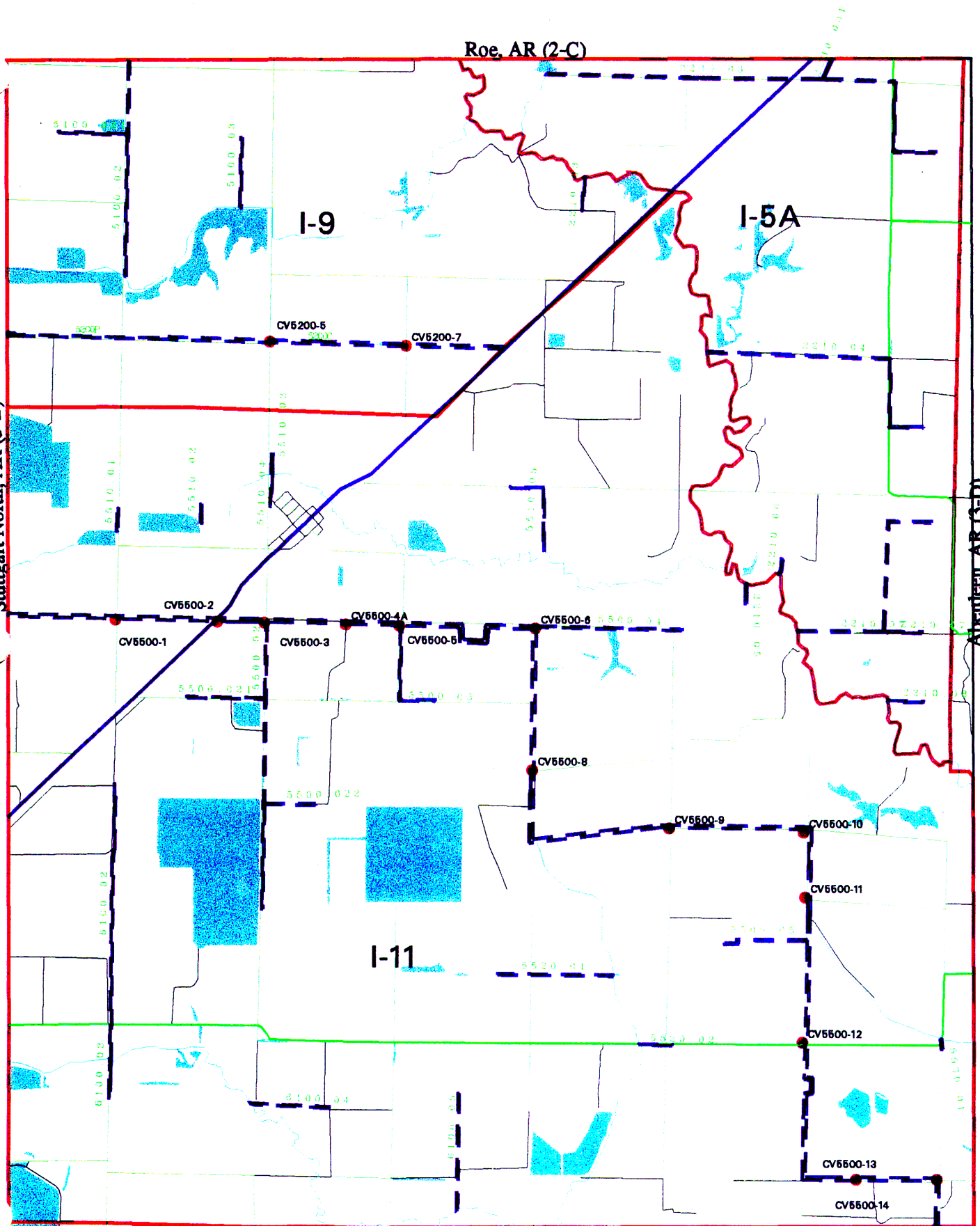
Aberdeen, AR (3-D)

Almyra, AR (4-C)

Ulm, AR (3-C)  
Culverts & Bridges

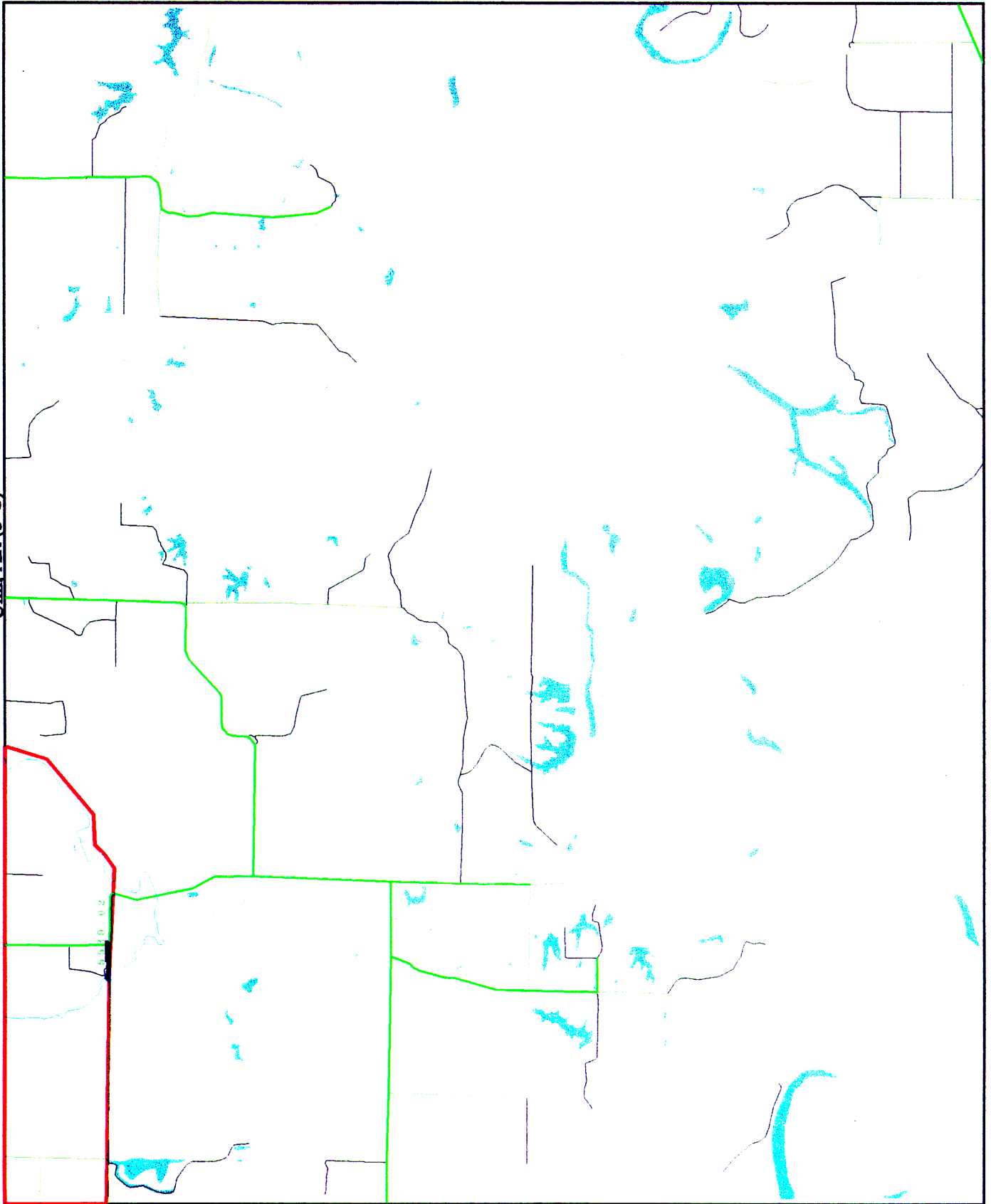


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Um. AR (3-C)



DeWitt NE, AR (4-D)



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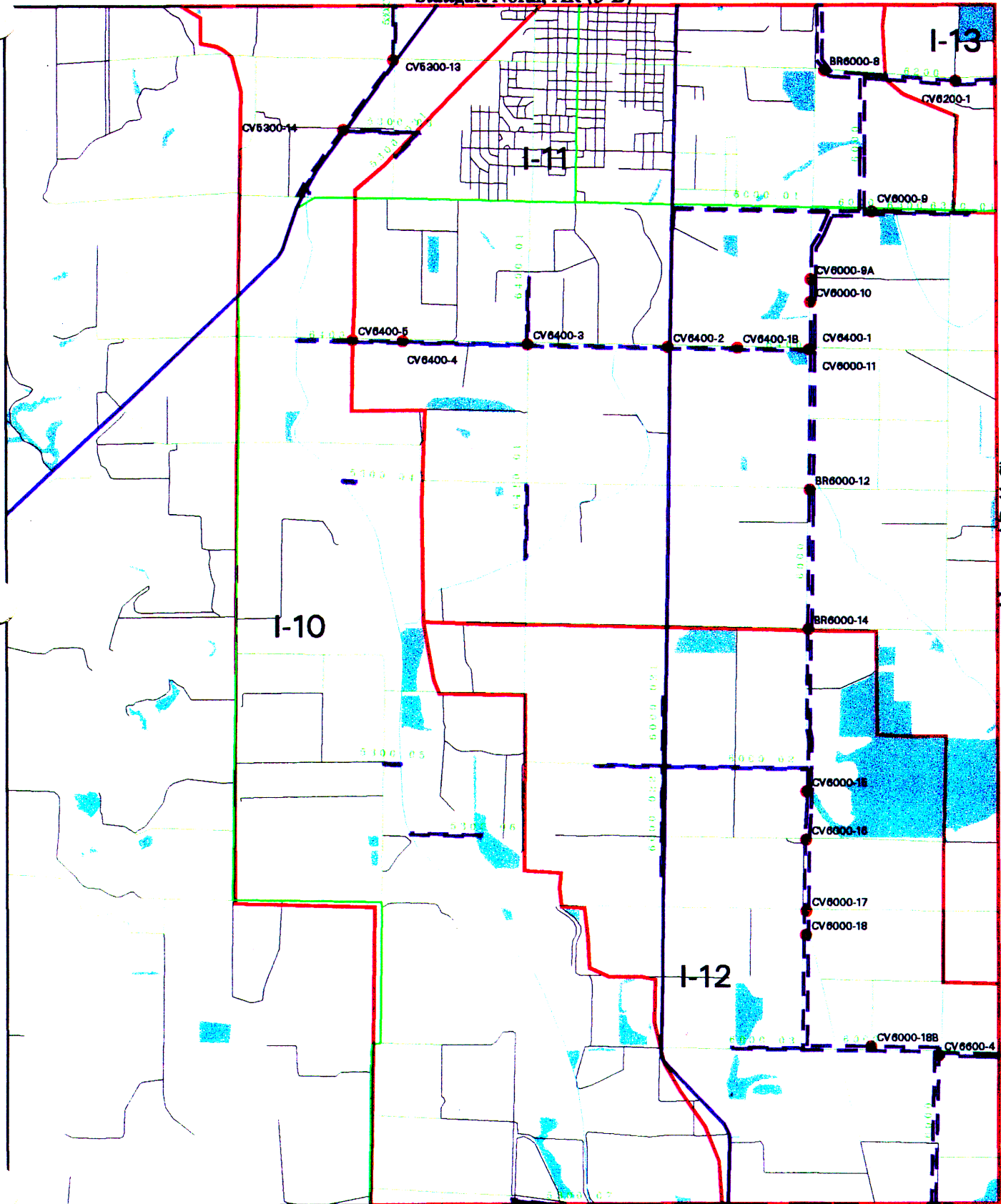


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Aberdeen, AR (3-D)  
Culverts & Bridges



# Stuttgart North, AR (3-B)



Almyra, AR (4-C)

## Lodge Corner, AR (5-B)

## Stuttgart South, AR (4-B) Culverts & Bridges



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1:62,500



Ulm, AR (3-C)

Sungai, AK (4-B)

DeWitt NE, AR (4-D)

DeWitt SW, AR (5-C)

Almyra, AR (4-C)  
Culverts & Bridges



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Memphis District



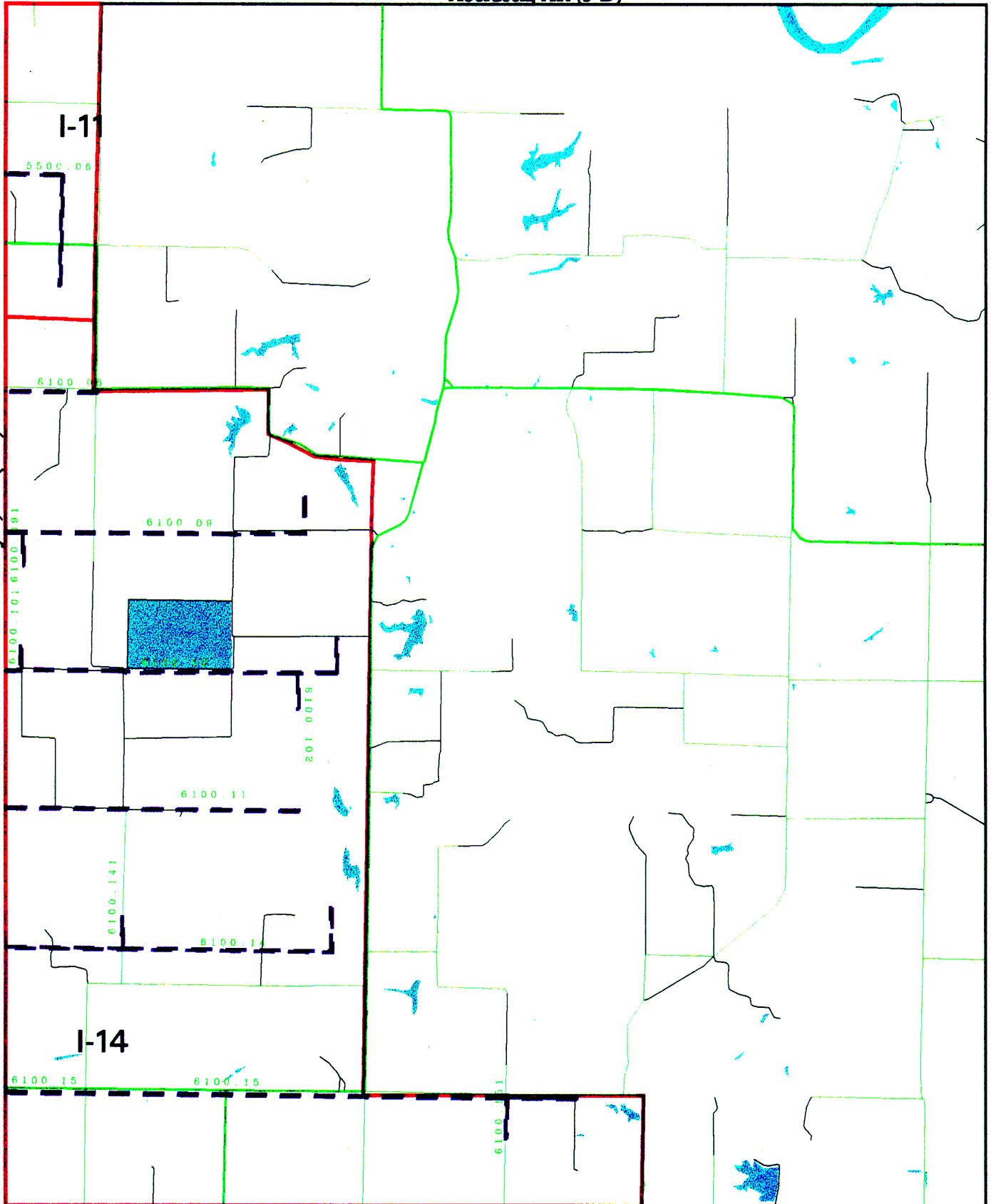
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The University of Memphis

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Aberdeen, AR (3-D)

Almyra, AR (4-C)



I-11

I-14

DeWitt SE, AR (5-D)

Dewitt NE, AR (4-D)  
Culverts & Bridges



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Memphis District

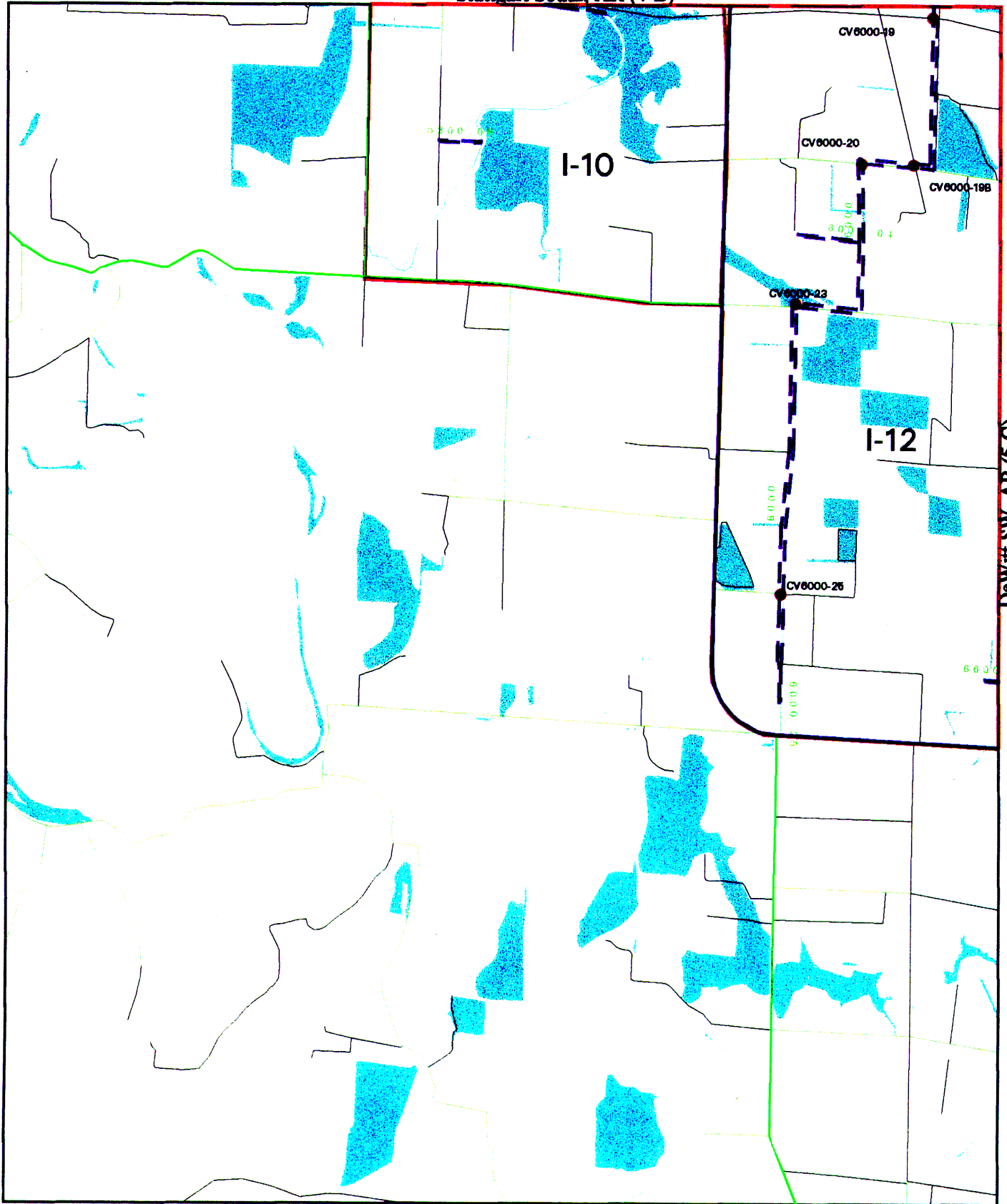


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Stuttgart South, AR (4-B)



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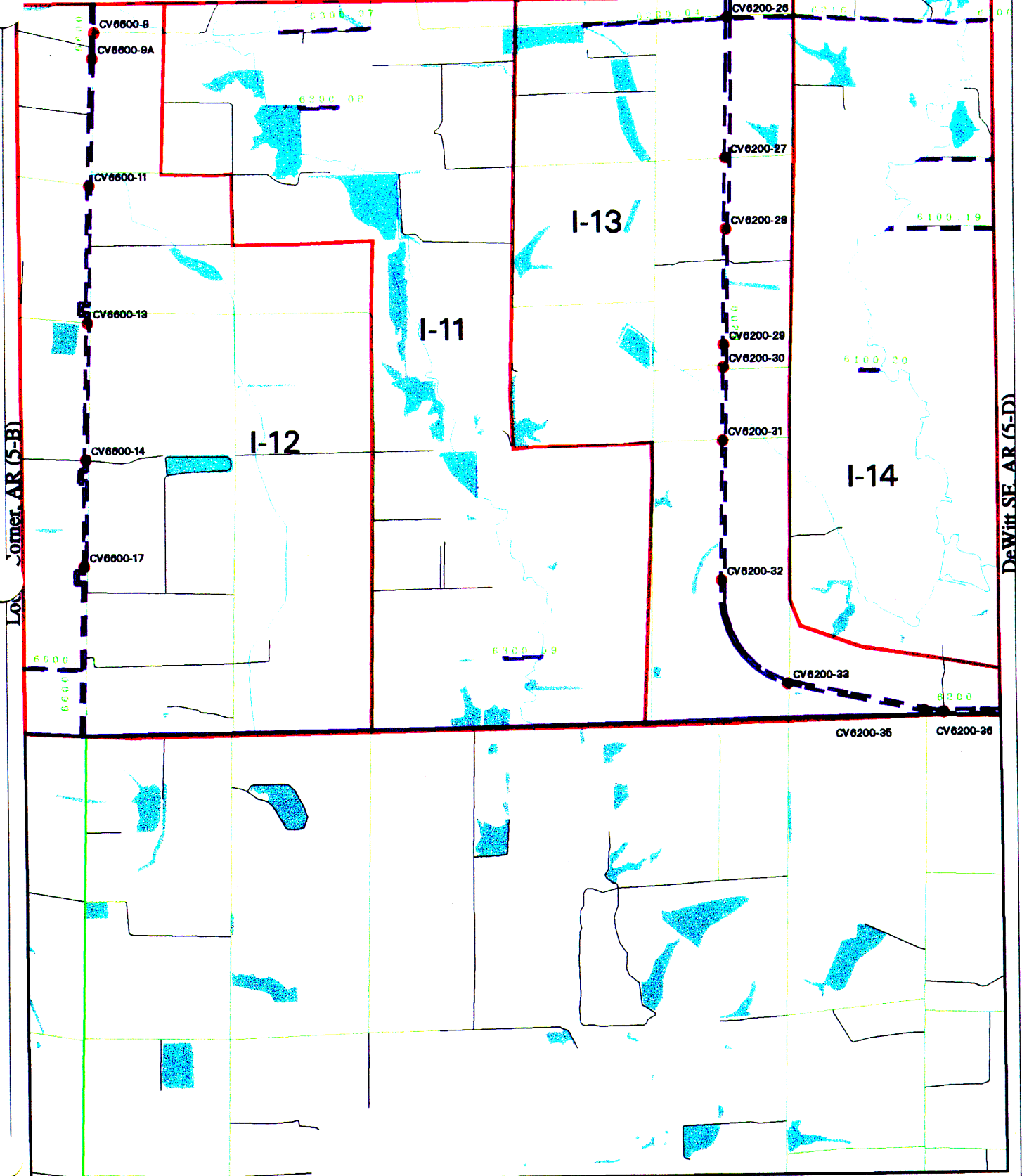


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Lodge Corner, AR (5-B)  
Culverts & Bridges



Almyra, AR (4-C)



1st Army Corps  
of Engineers  
Memphis District



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The University of Memphis



1:42,500

Dewitt SW, AR (5-C)  
Culverts & Bridges

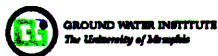


DeWitt NE, AR (4-D)

Witt SW, AR (5-C)

I-14

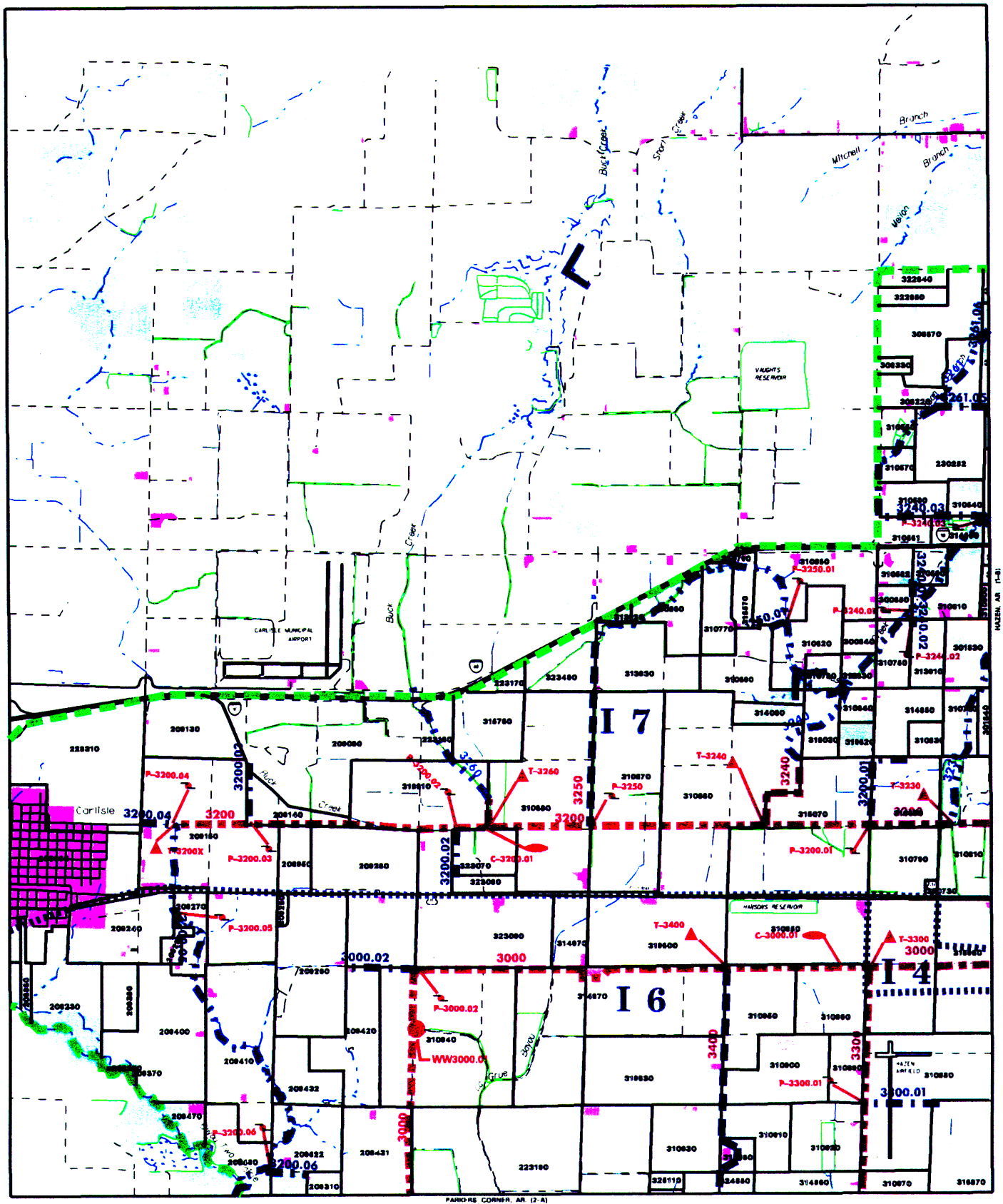
I-13



1:62,500

Dewitt SE, AR (5-D)  
Culverts & Bridges





  
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 of Engineers  
 Memphis District

LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES  
 HYDRAULIC STRUCTURES  
 PUMP  
 TURNOUT  
 WEIR  
 WASTEWAY

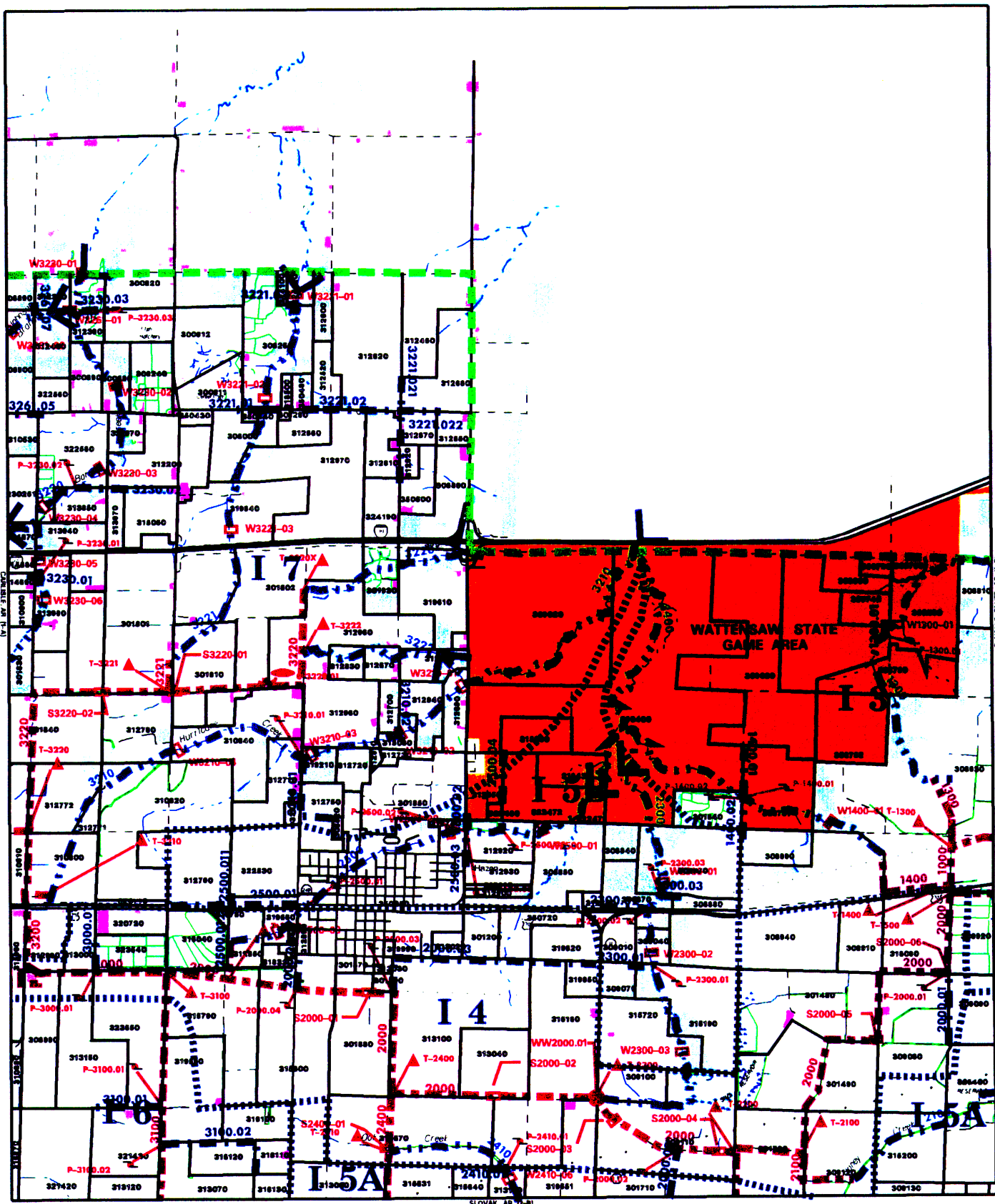
SCALE 1:62500



CARLISLE, AR. (1-A)

HYDRAULIC STRUCTURES





DETAILS BLUET AR 1-B-3

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Memphis District

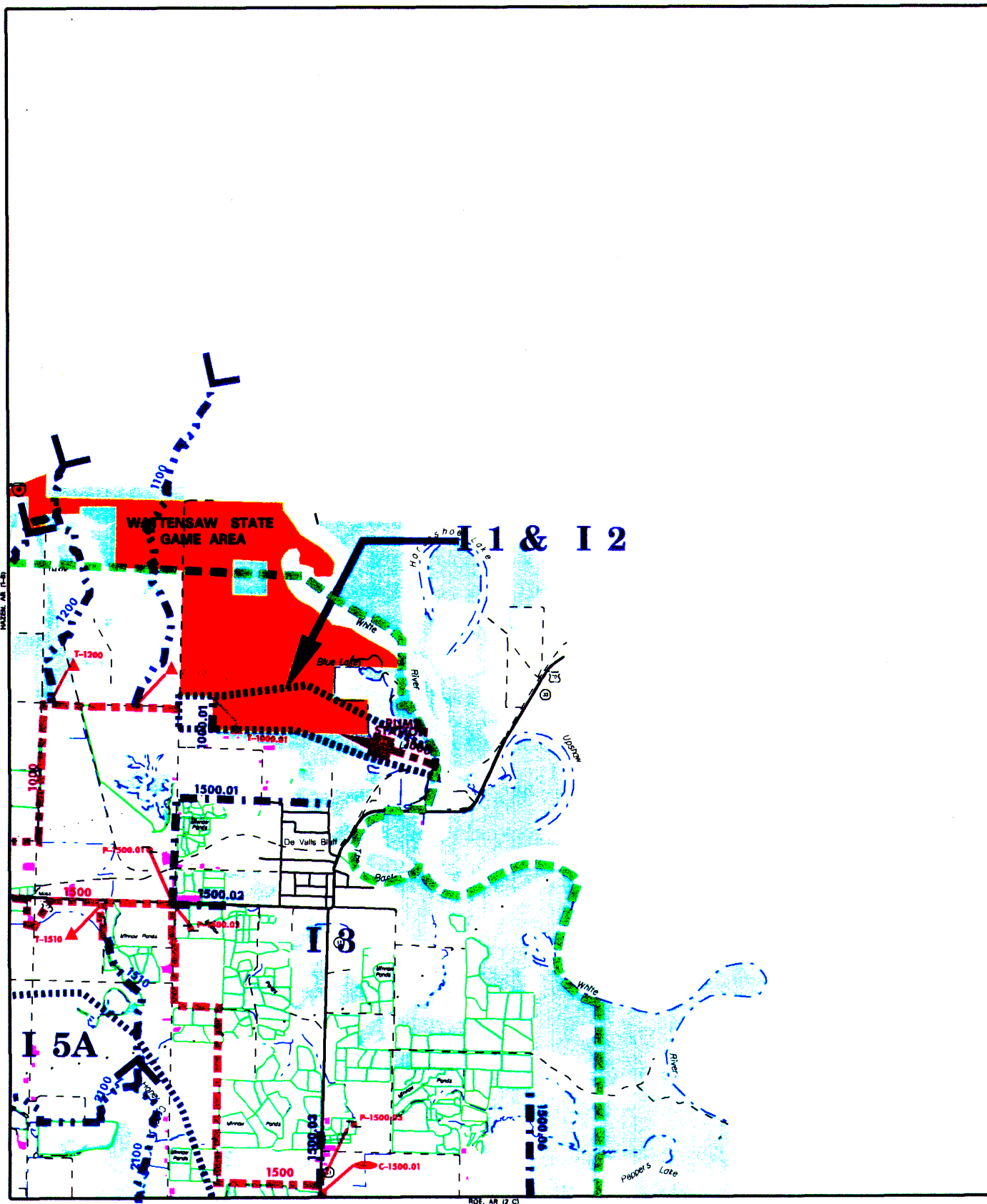
- LEGEND
- DEMONSTRATION PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - ITEM BOUNDARIES
  - HYDRAULIC STRUCTURES
  - PUMP
  - TURNKIT
  - CHECK
  - WASTEWAY

SCALE 1:62500



HAZEN, AR (1-B)  
HYDRAULIC STRUCTURES





US Army Corps  
of Engineers  
Memphis District

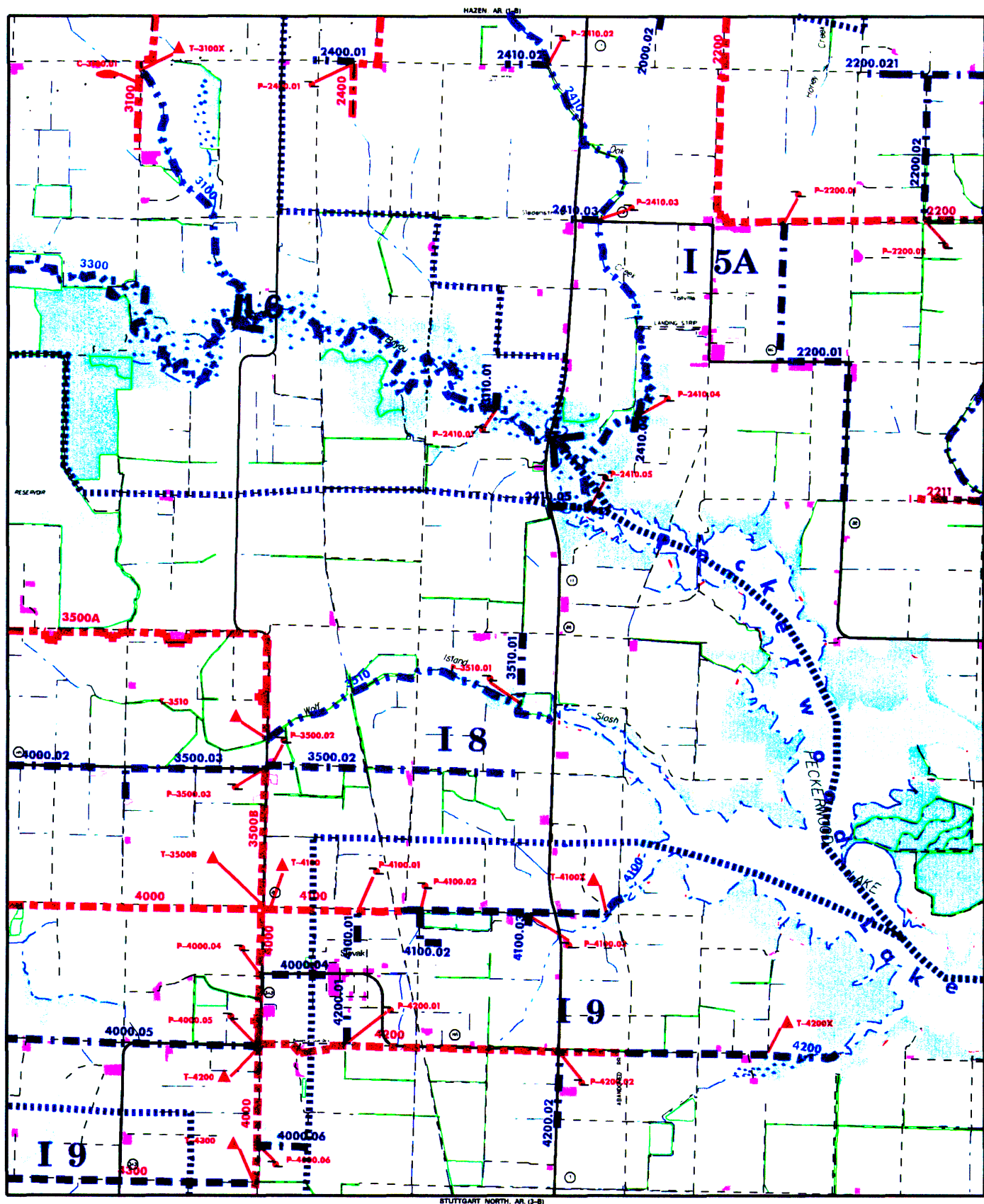
- LEGEND
- DEMOSNTRATION PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - ITEM BOUNDARIES
  - MAJOR PUMPING STATION
  - HYDRAULIC STRUCTURES
  - PUMP
  - TURNOUT
  - CHECK

SCALE 1"=62500



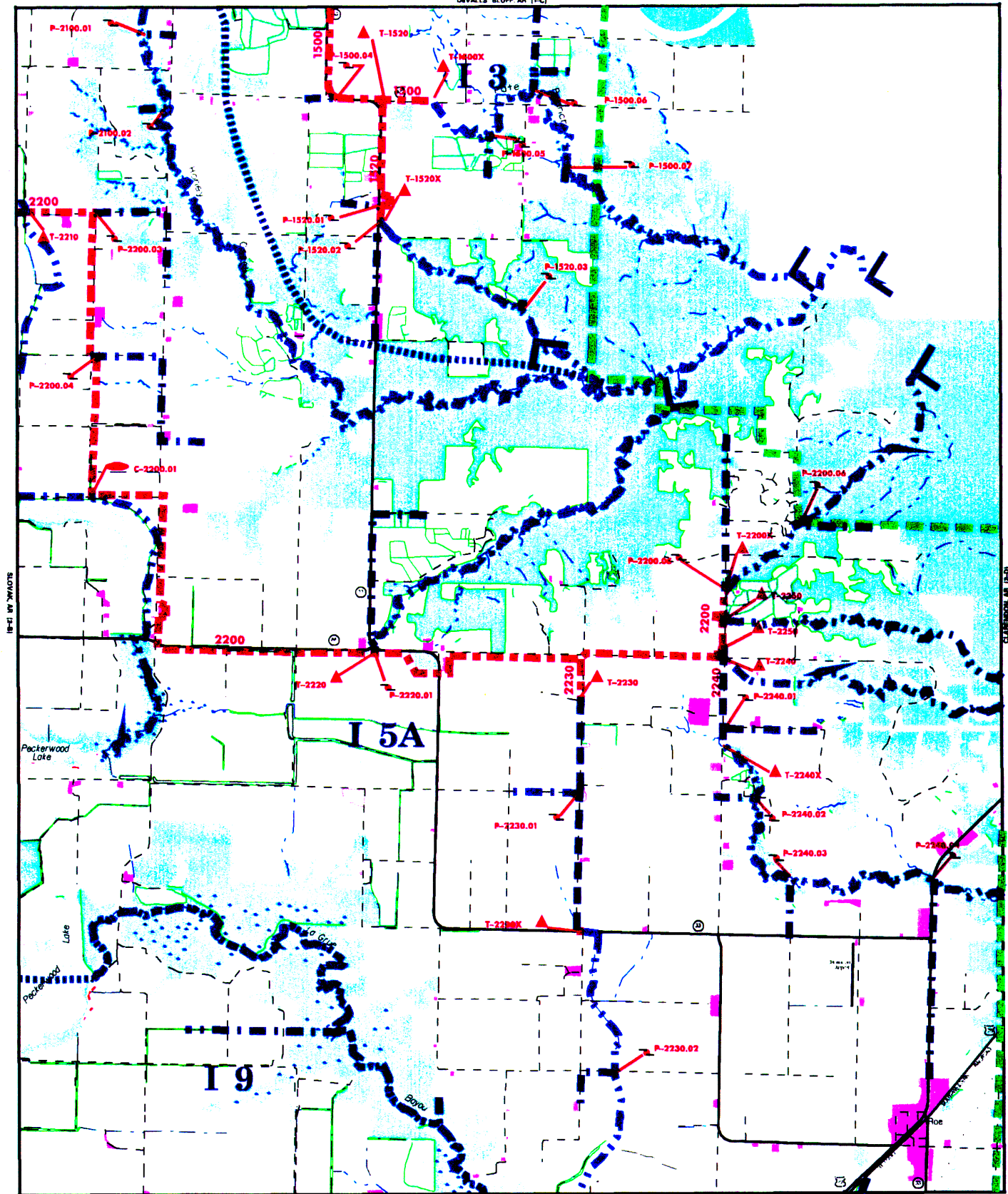
DeVALLS BLUFF SW, AR (1-C)  
HYDRAULIC STRUCTURES







DEVALLS BLUFF AR (1-C)



ULM, AR (2-C)



US Army Corps  
of Engineers  
Memphis District

LEGEND

- DEMONSTRATION PROJECT BOUNDARY
- NEW CANAL
- EXISTING CHANNEL
- PIPELINE
- ITEM BOUNDARIES

HYDRAULIC STRUCTURES

- PUMP
- TURNOUT
- CHECK

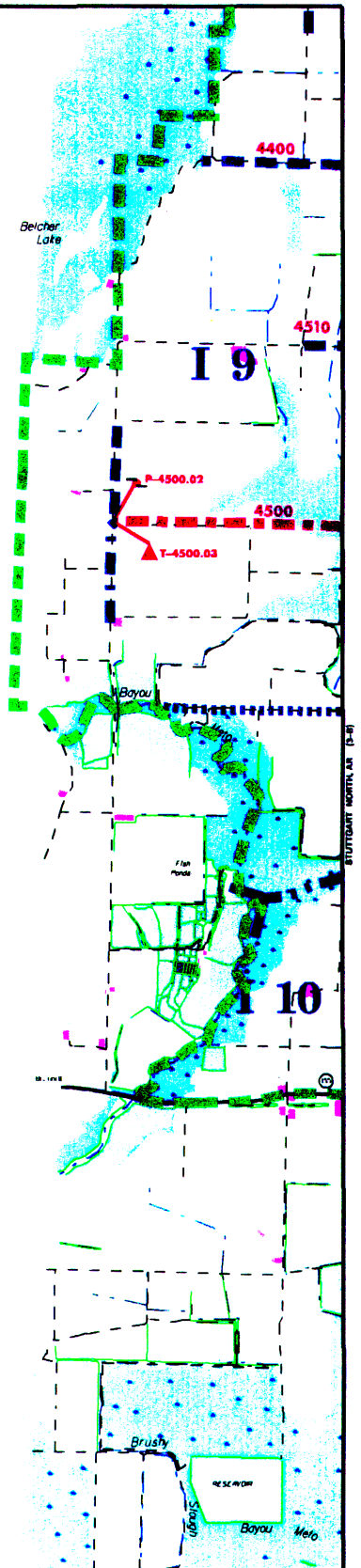
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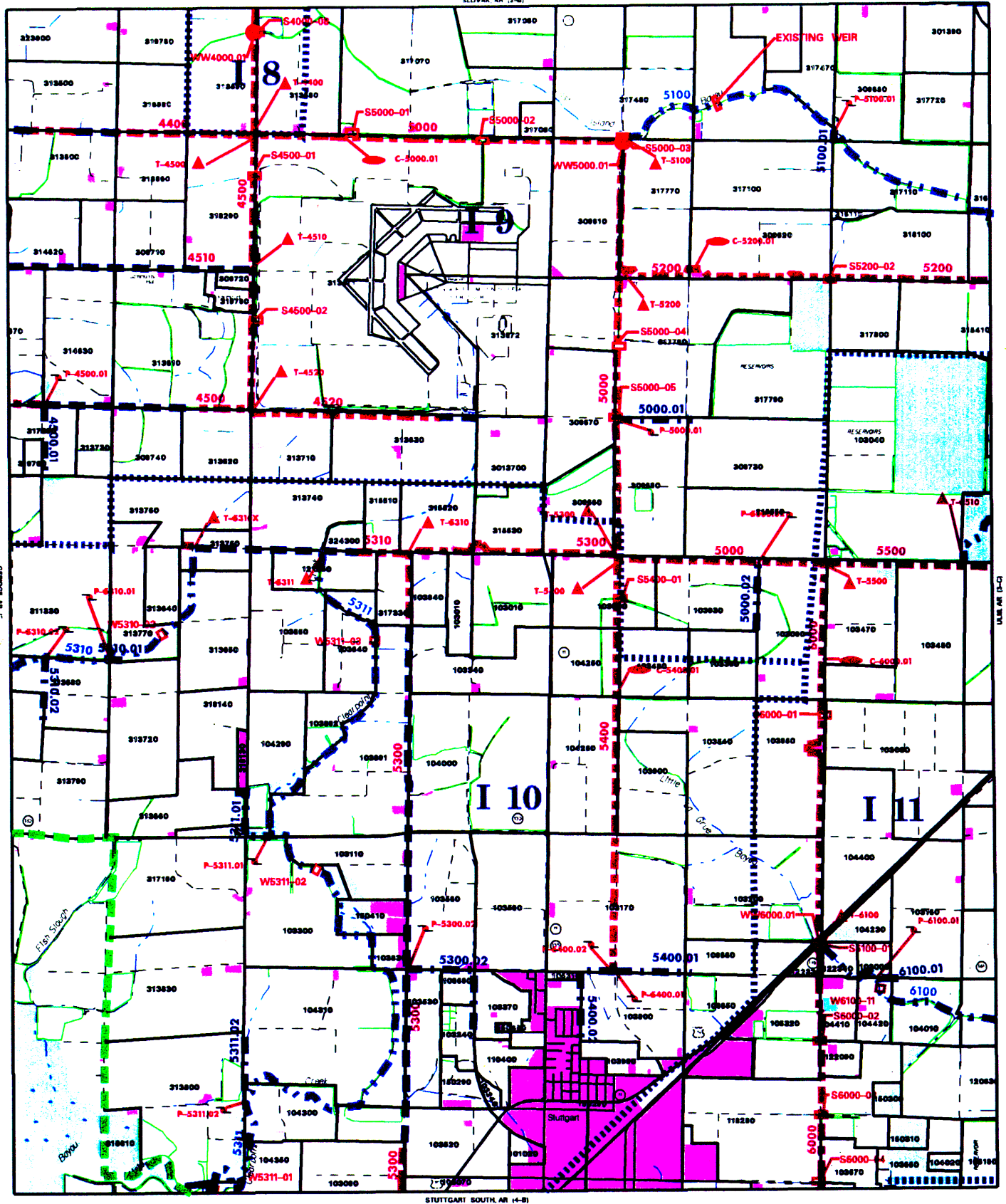
ROE, AR (2-C)

HYDRAULIC STRUCTURES









US Army Corps  
of Engineers  
Memphis District

## LEGEND

- DEMONSTRATION PROJECT BOUNDARY
- NEW CANAL
- EXISTING CHANNEL
- PIPELINE
- ITEM BOUNDARIES

## HYDRAULIC STRUCTURES

- PUMP
- TURNOUT
- CHECK
- WASTEWAY

SCALE 1:62500

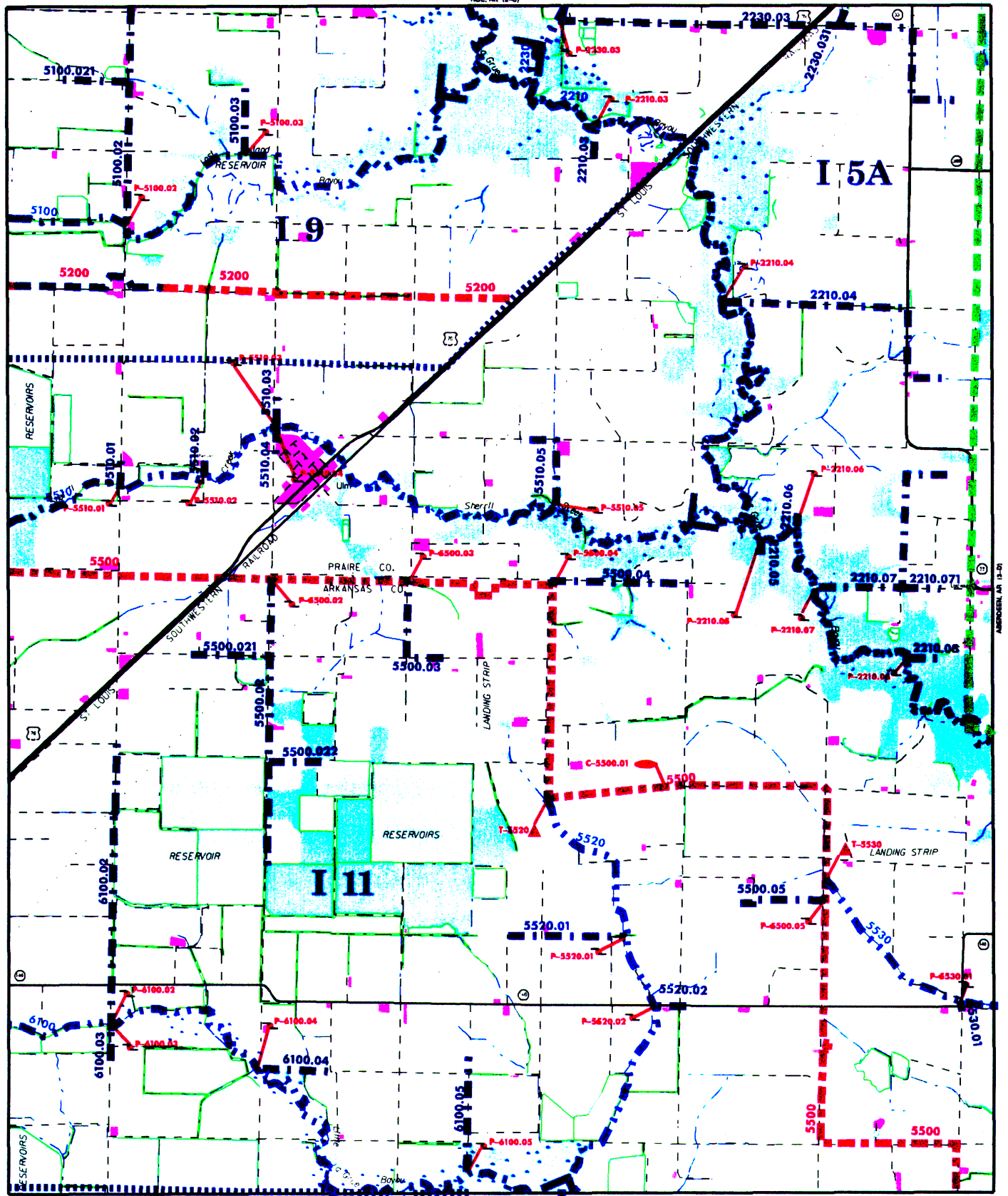


STUTTGART NORTH, AR (3-B)

HYDRAULIC STRUCTURES



ROE, AR (3-C)



ST. LOUIS, MO (3-C)

ALBANY, AR (3-C)

US Army Corps  
of Engineers  
Memphis District

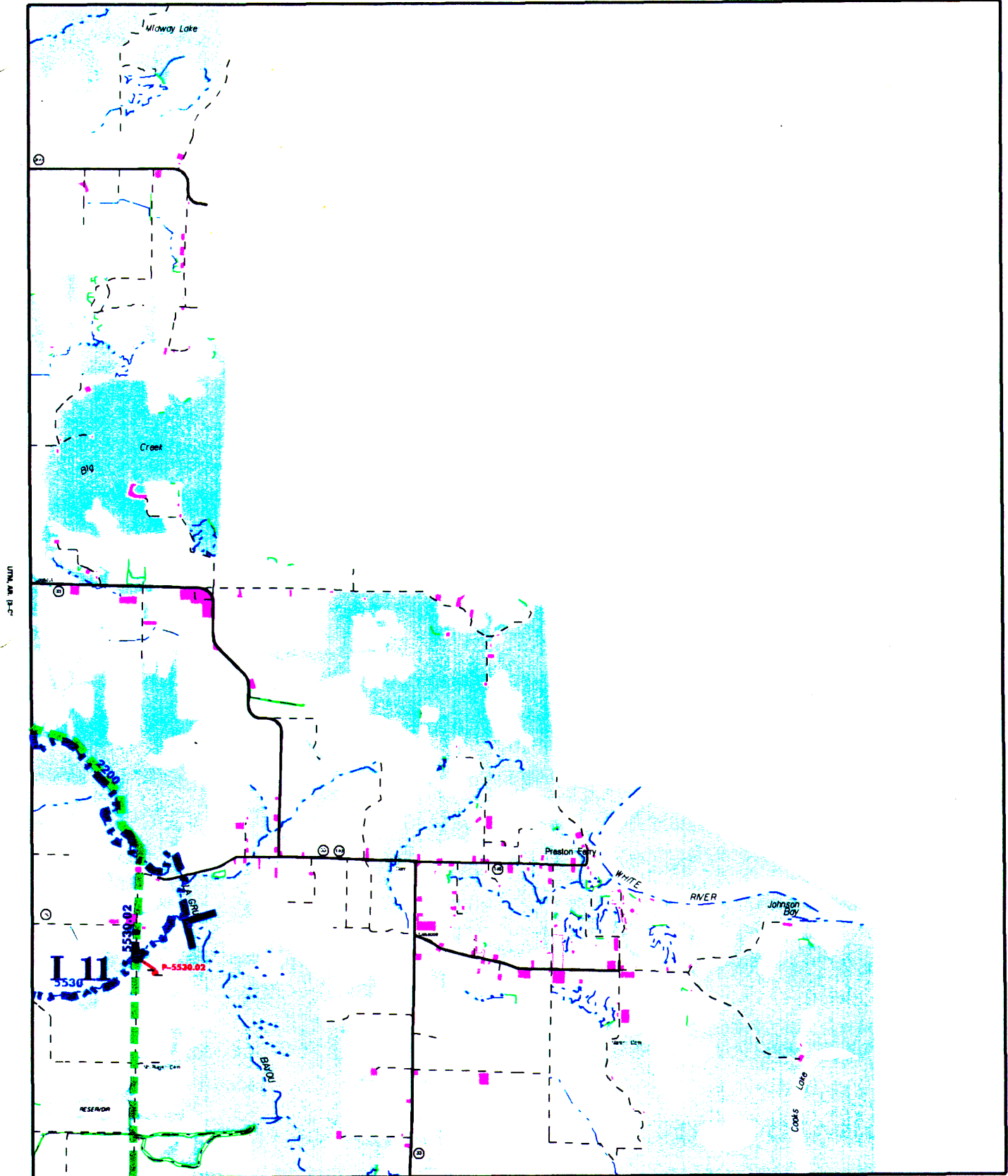
- LEGEND
- DEMONSTRATION PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - ITEM BOUNDARIES
  - HYDRAULIC STRUCTURES
  - PUMP
  - TURNOUT
  - CHECK

SCALE 1:62500

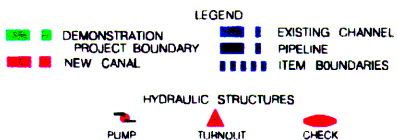


ULM, AR (3-C)  
HYDRAULIC STRUCTURES





US Army Corps  
of Engineers  
Memphis District



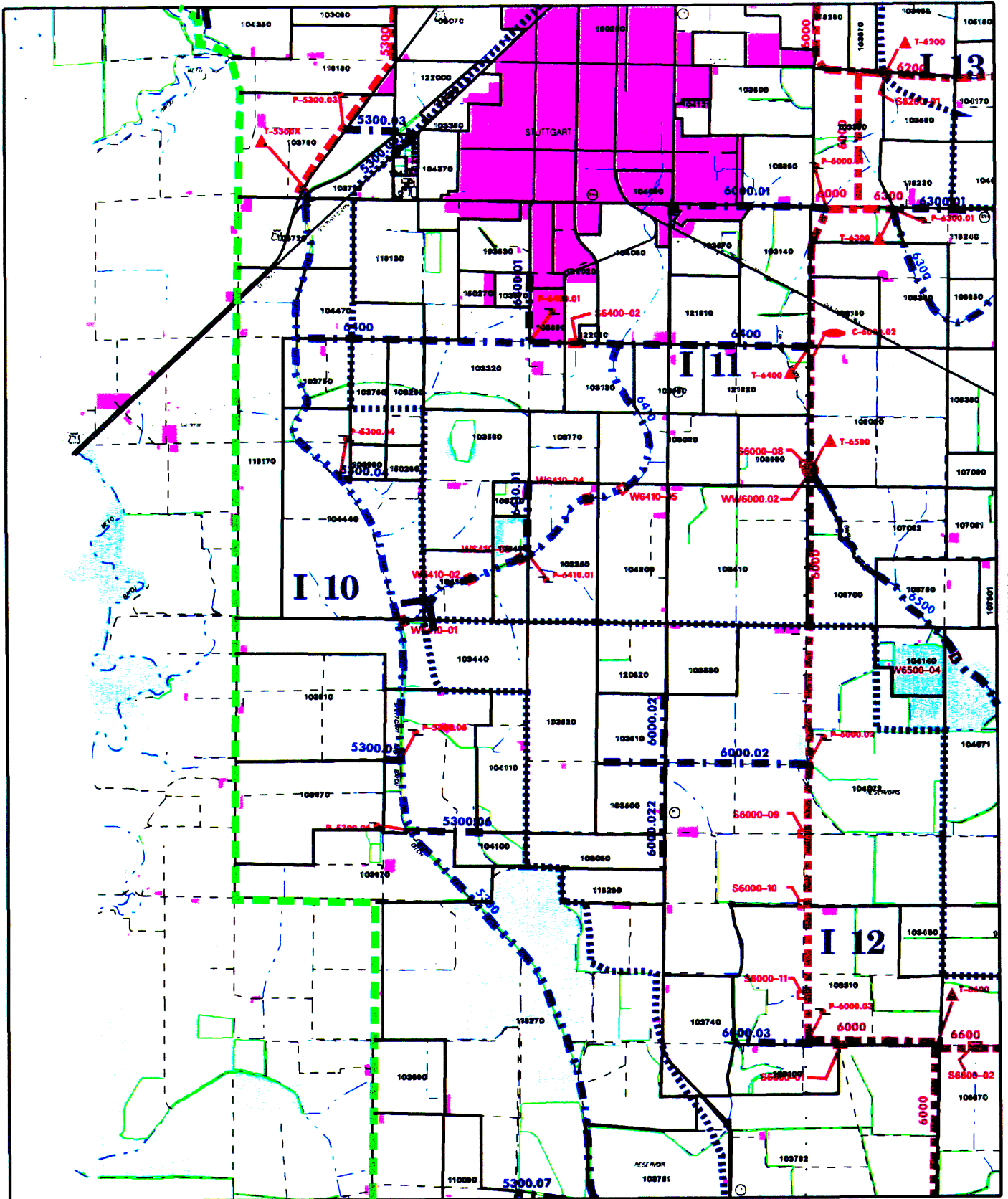
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ABERDEEN, AR. (3-D)

HYDRAULIC STRUCTURES





LODGE CORNER, AR (5-B)



US Army Corps  
of Engineers  
Memphis District

LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES

HYDRAULIC STRUCTURES



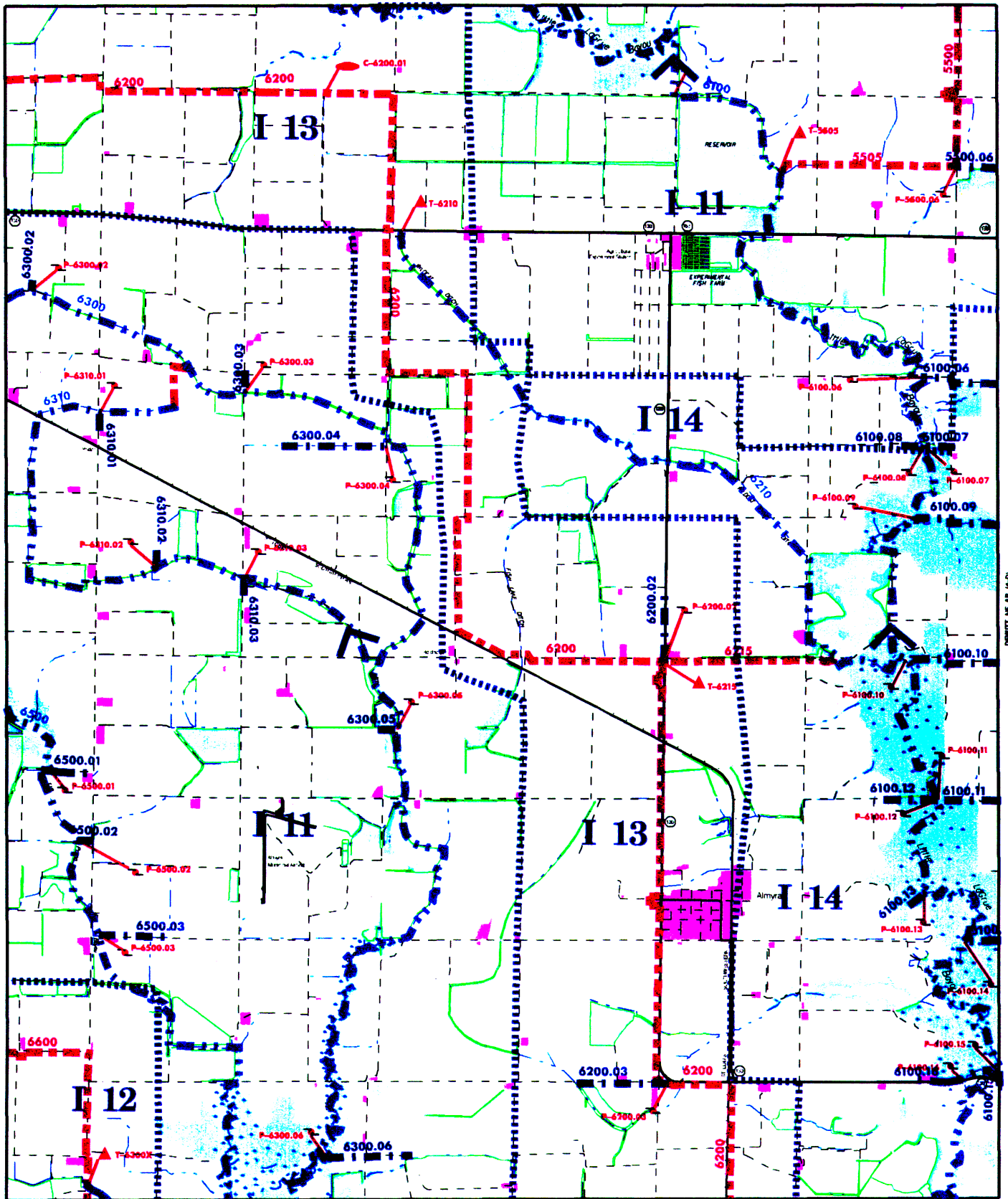
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STUTTGART SOUTH, AR (4-B)

HYDRAULIC STRUCTURES





US Army Corps  
of Engineers  
Memphis District

## LEGEND

- DEMONSTRATION PROJECT BOUNDARY
- NEW CANAL
- EXISTING CHANNEL
- PIPELINE
- ITEM BOUNDARIES

## HYDRAULIC STRUCTURES

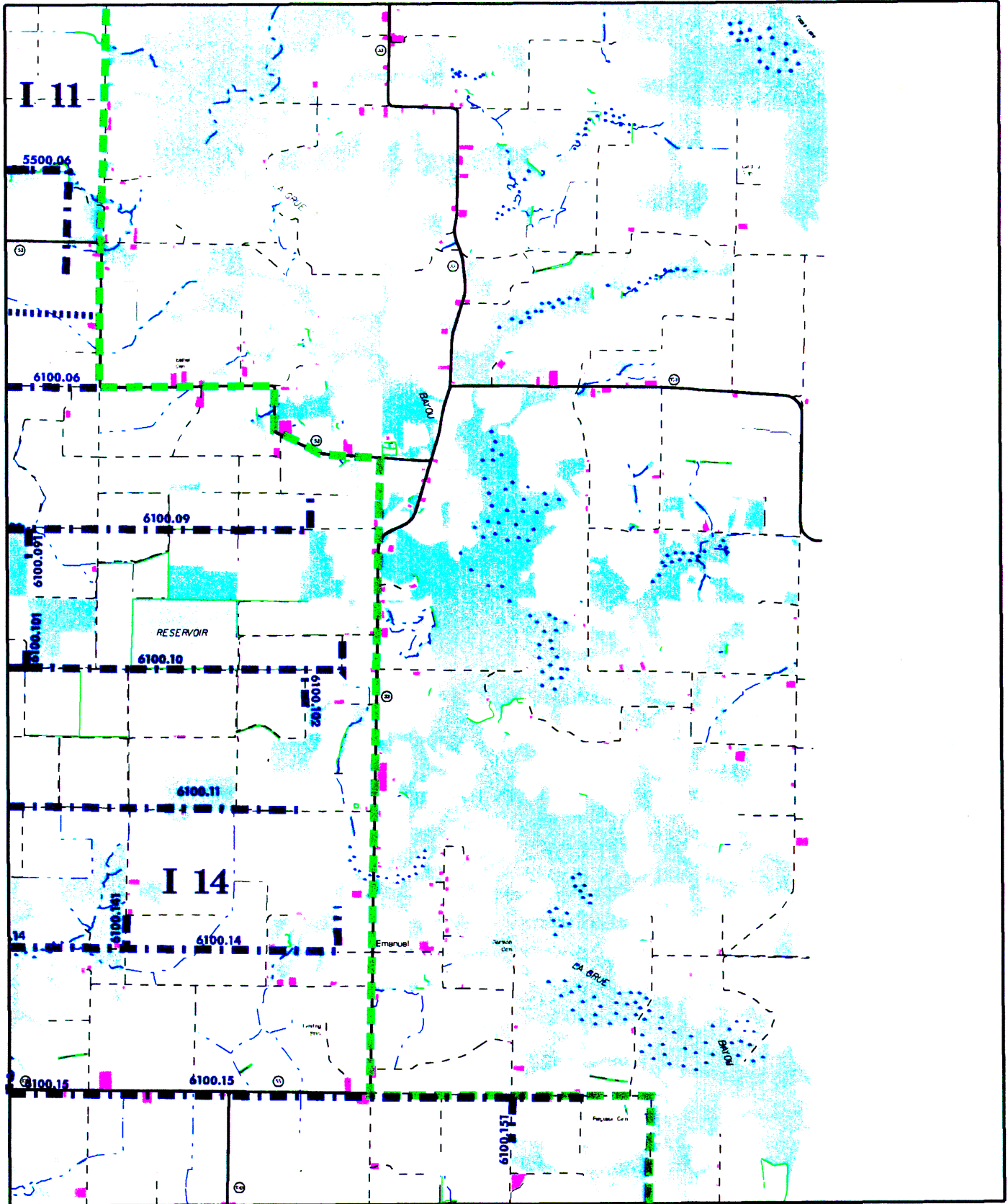
- PUMP
- TURNOFF
- CHECK

SCALE 1:62500

ALMYRA, AR (4-C)

HYDRAULIC STRUCTURES





DeWITT, AR. (B-D)



US Army Corps  
of Engineers  
Memphis District

- LEGEND
- DEMONSTRATION PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - ITEM BOUNDARIES
  - PUMP
  - TURNOUT
  - CHECK

HYDRAULIC STRUCTURES

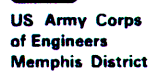
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DeWITT NE, AR. (4-D)

HYDRAULIC STRUCTURES





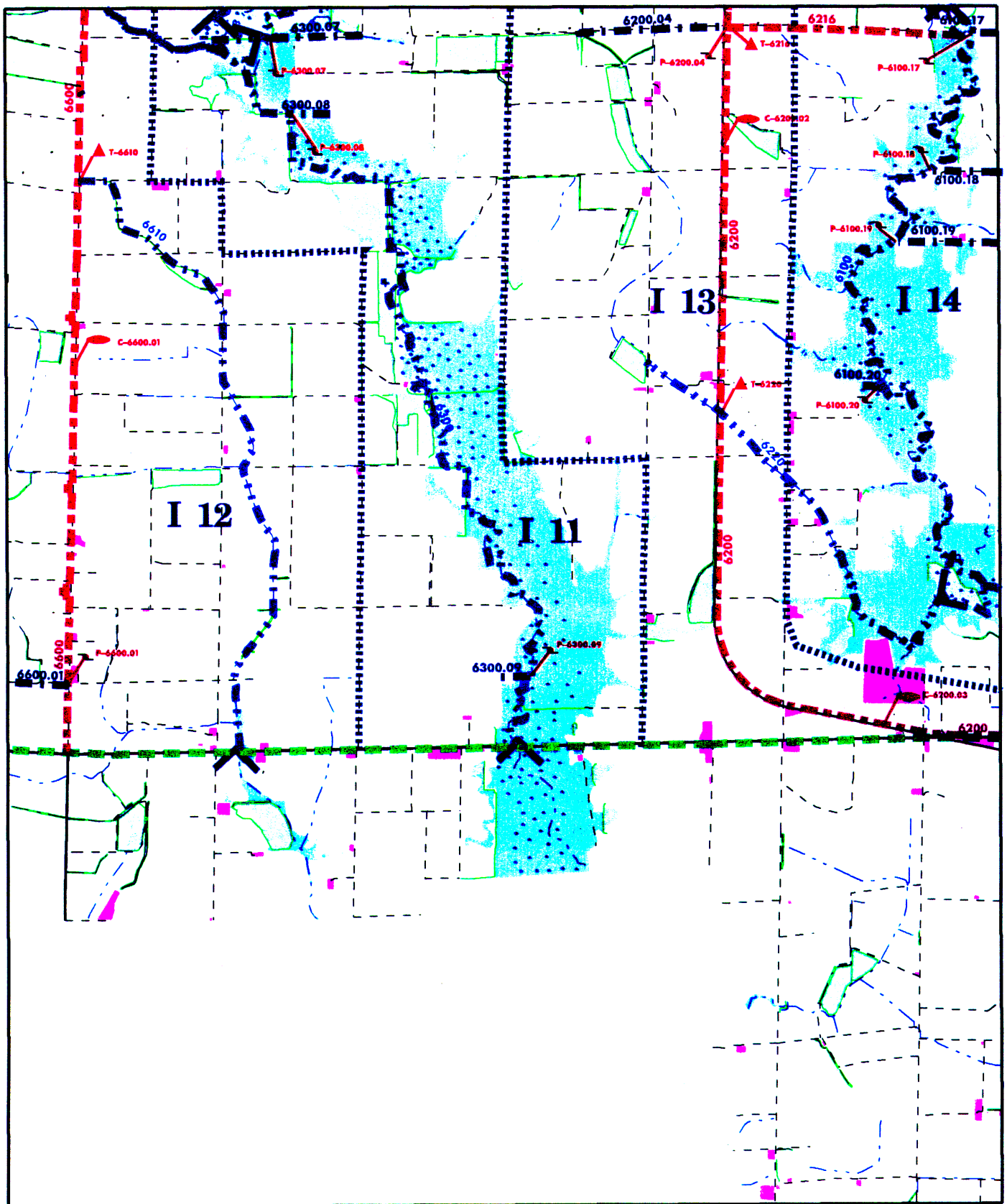
HYDRAULIC STRUCTURES

			
PUMP	TURNOUT	CHECK	WASTEWAY

LODGE CORNER, AR (5-B)

HYDRAULIC STRUCTURES





LOOSE CORNER, W

DEWITT, AR (5-D)

**US Army Corps  
of Engineers  
Memphis District**

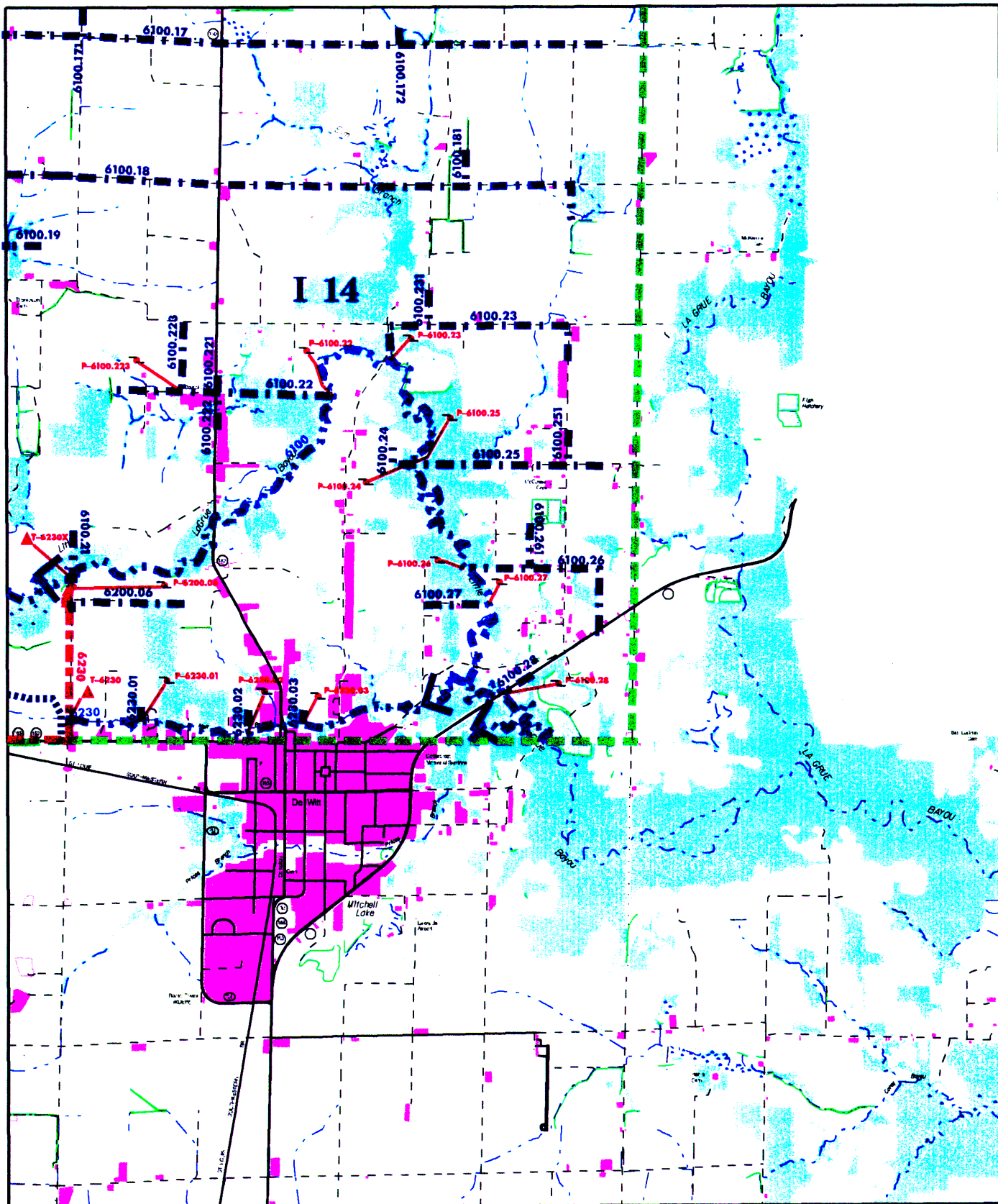
- LEGEND**
- DEMONSTRATION PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - ITEM BOUNDARIES
  - HYDRAULIC STRUCTURES
    - PUMP
    - TURNOUT
    - CHECK

SCALE 1:62500

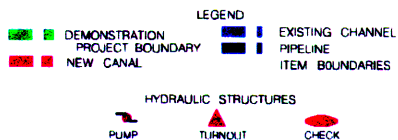


**DeWITT SW, AR (5-C)**  
**HYDRAULIC STRUCTURES**





US Army Corps  
of Engineers  
Memphis District



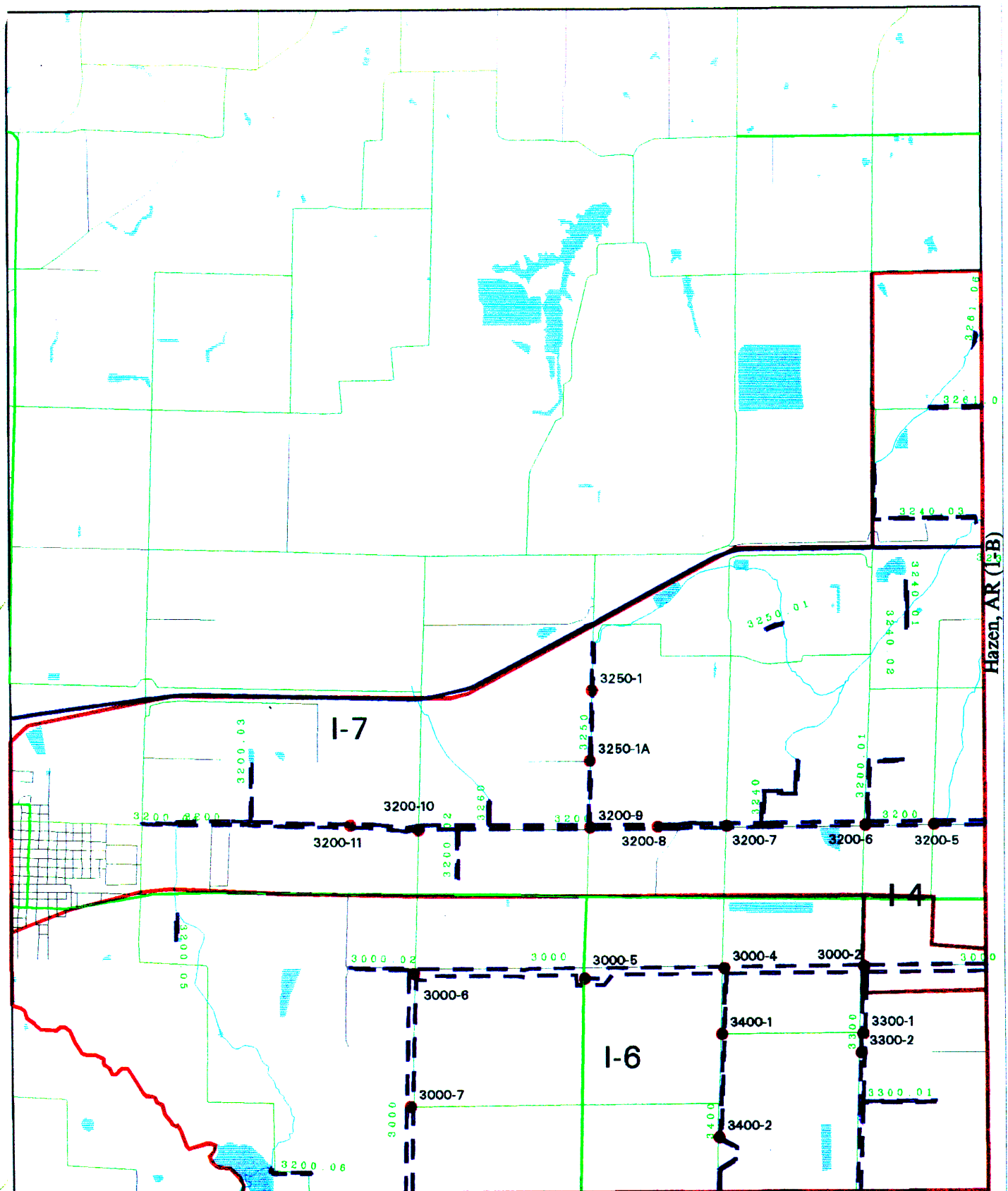
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DeWITT SE, AR. (5-D)

HYDRAULIC STRUCTURES





US Army Corps  
of Engineers  
Memphis District



GROUND WATER INSTITUTE  
The University of Memphis

Parkers Corner, AR (2-A)



Carlisle, AR (1-A)  
Utilities

1:62,500





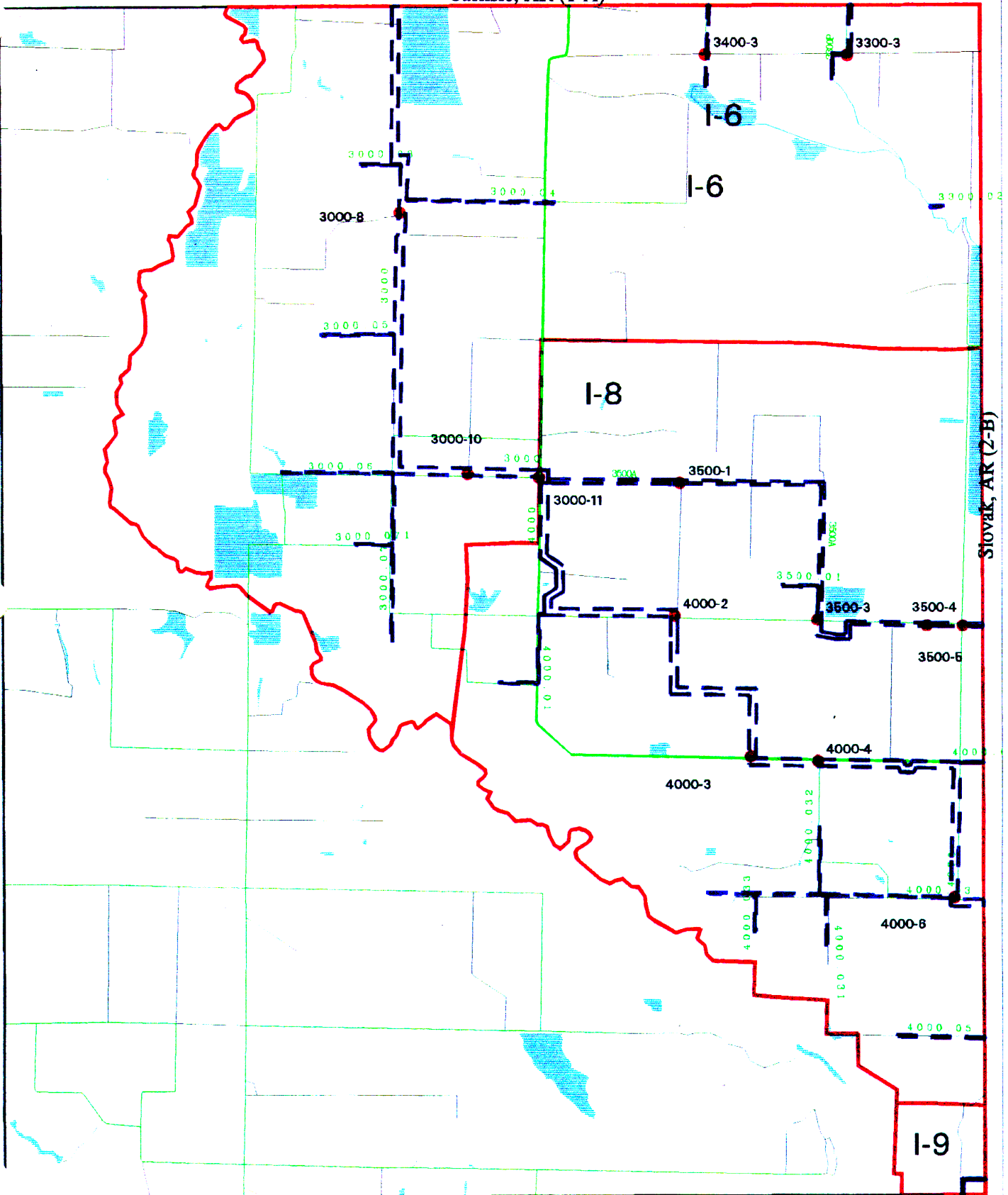


The map displays the I-5A area, showing various road segments and stationing. The map includes labels for 'I-5A', 'I-1 & I-2', 'I-3', and 'I-4'. It also shows stationing numbers such as 1000-1, 1000-2, 1000-3, 1500-1, 1500-3, 1500-4, 1500-5, and 1500-8. The map is color-coded with green for roads, blue for water, and yellow for land. A legend in the bottom right corner explains the symbols used.

**Devalls Bluff, AR (1-C)**  
**Utilities**



Carlisle, AR (1-A)



Slovok, AR (2-B)

I-9

Geridge, AR (3-A)

Parkers Corner, AR (2-A)  
Utilities



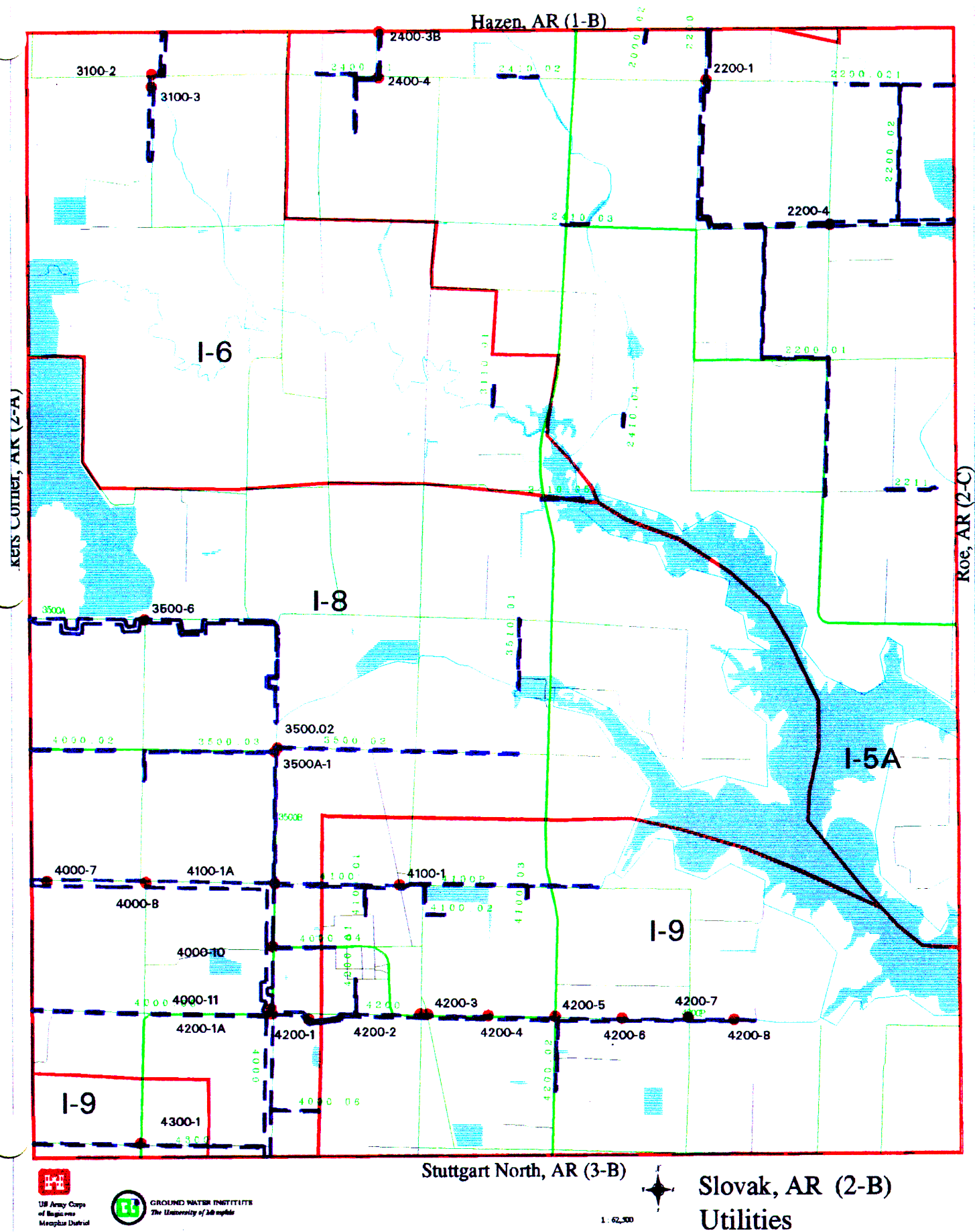
US Army Corps  
of Engineers  
Memphis District



GROUNDWATER INSTITUTE  
The University of Memphis

1:62,500

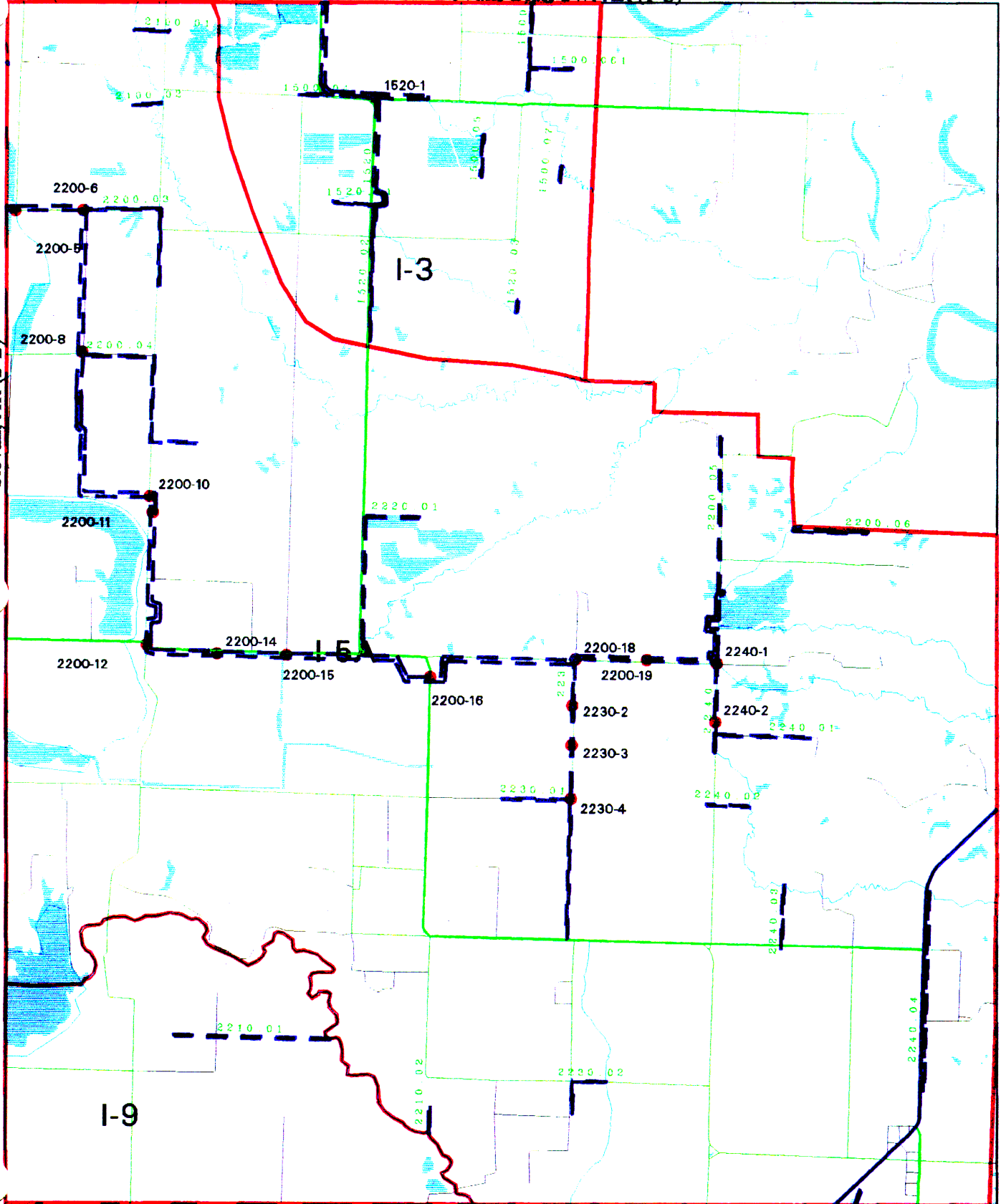






DeValls Bluff SW. AR (1-C)

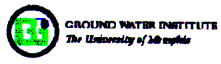
Slovak, AR (2-B)



Ulm, AR (3-C)



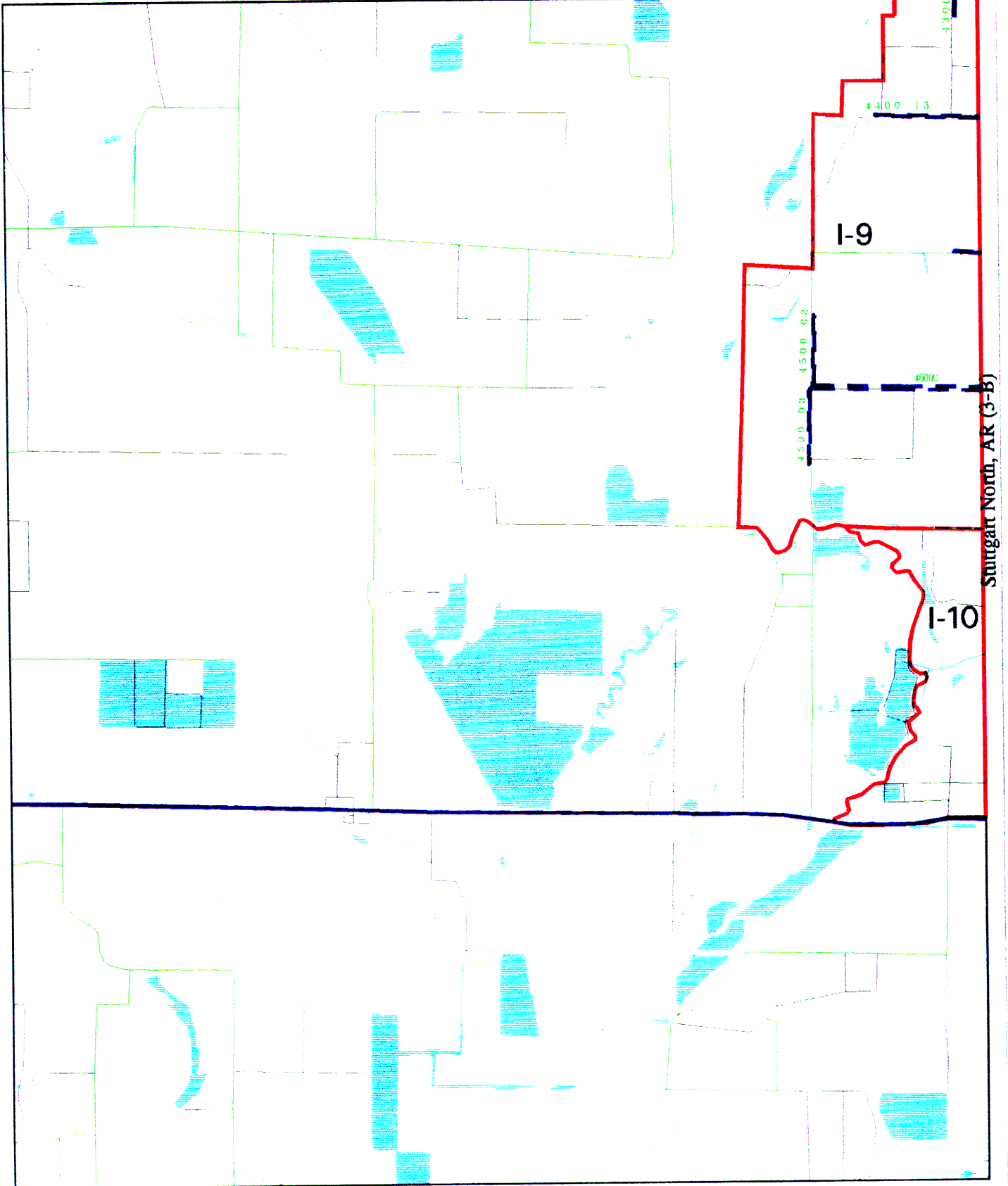
Roe, AR (2-C)  
Utilities



1:62,500



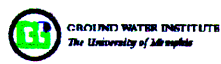
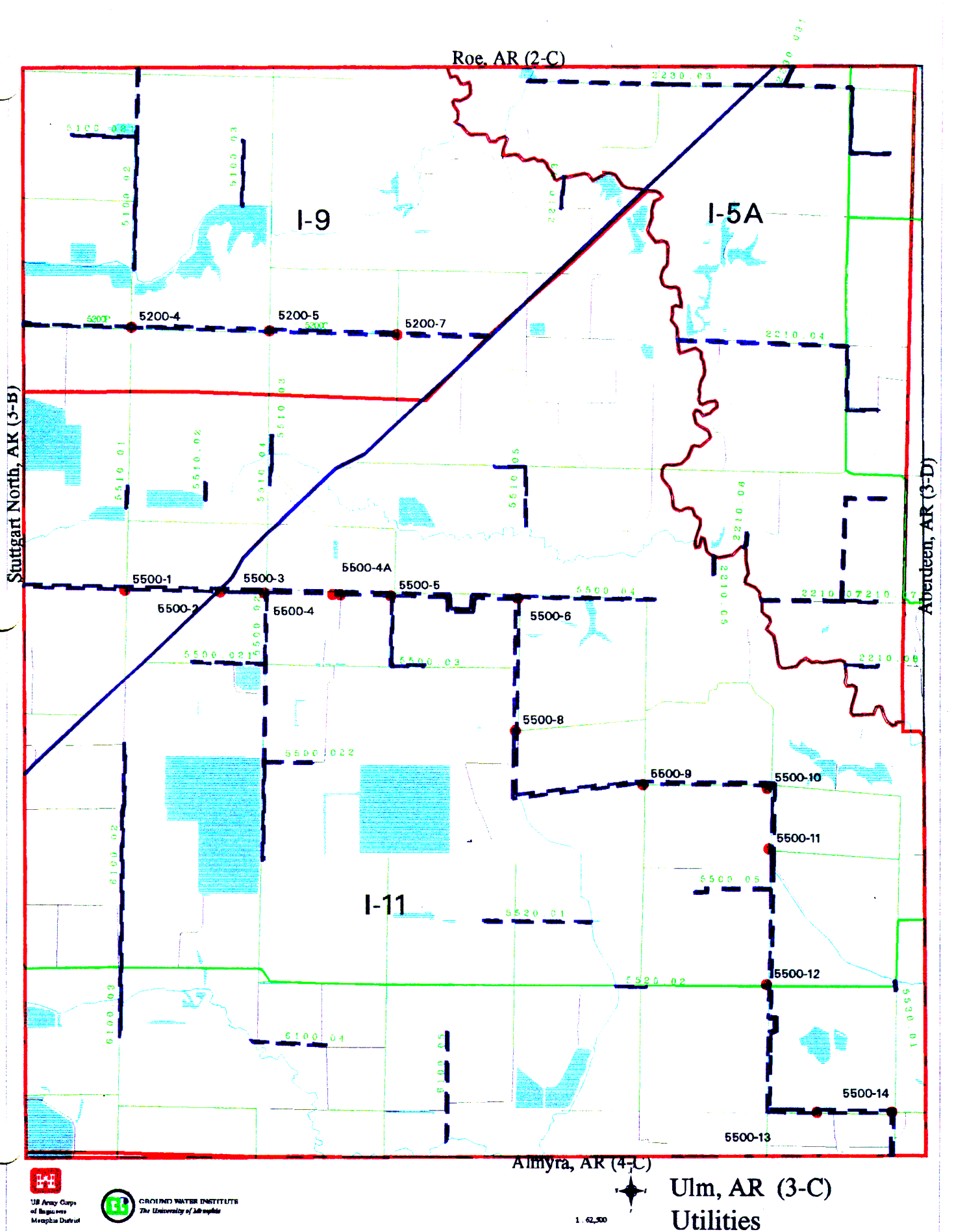
Parkers Corner, AR (2-A)









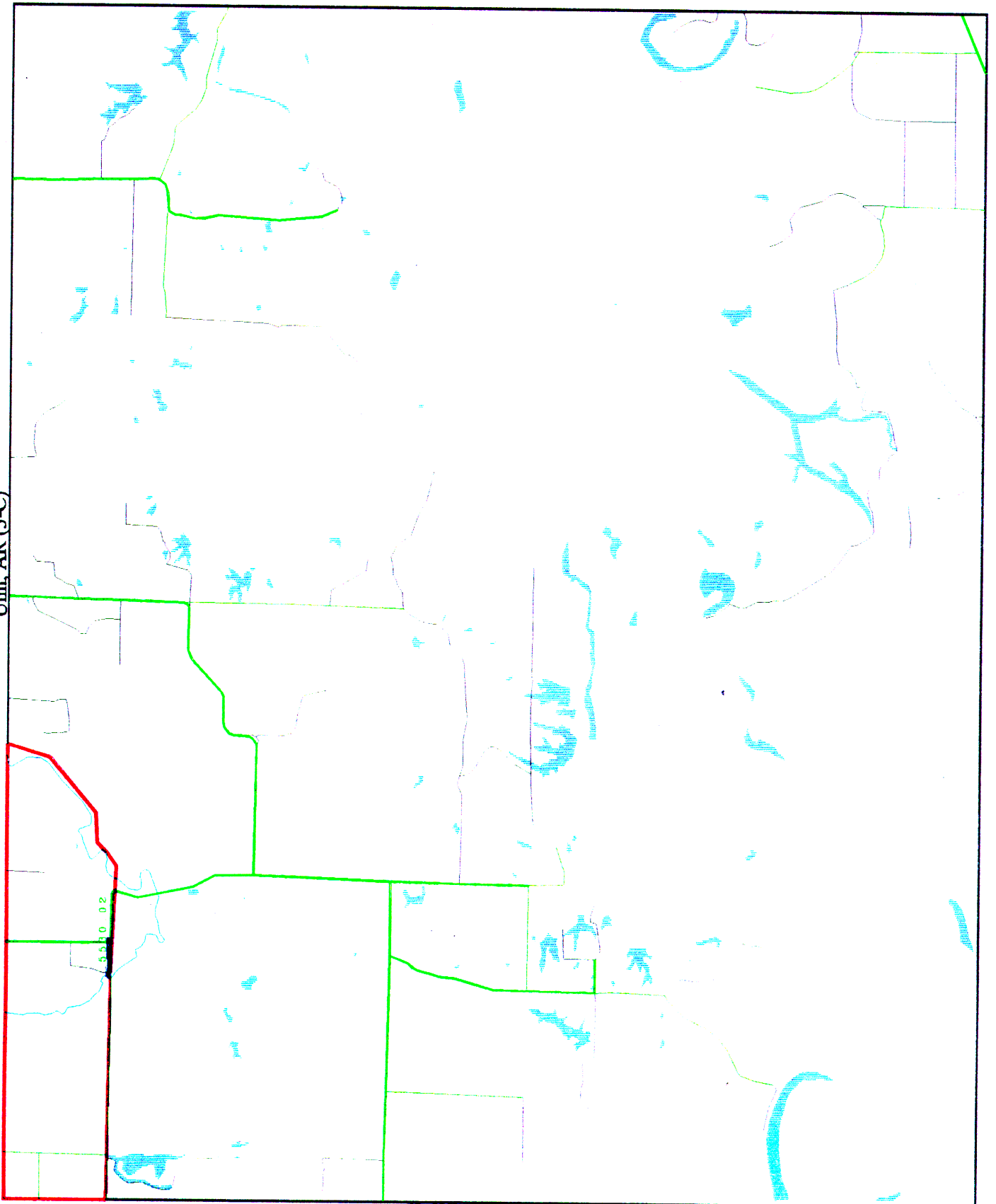


1:62,500

Ulm, AR (3-C)  
Utilities



Ulm, AR (3-C)



DeWitt NE, AR (4-D)



US Army Corps  
of Engineers  
Memphis District



GROUNDWATER INSTITUTE  
The University of Memphis

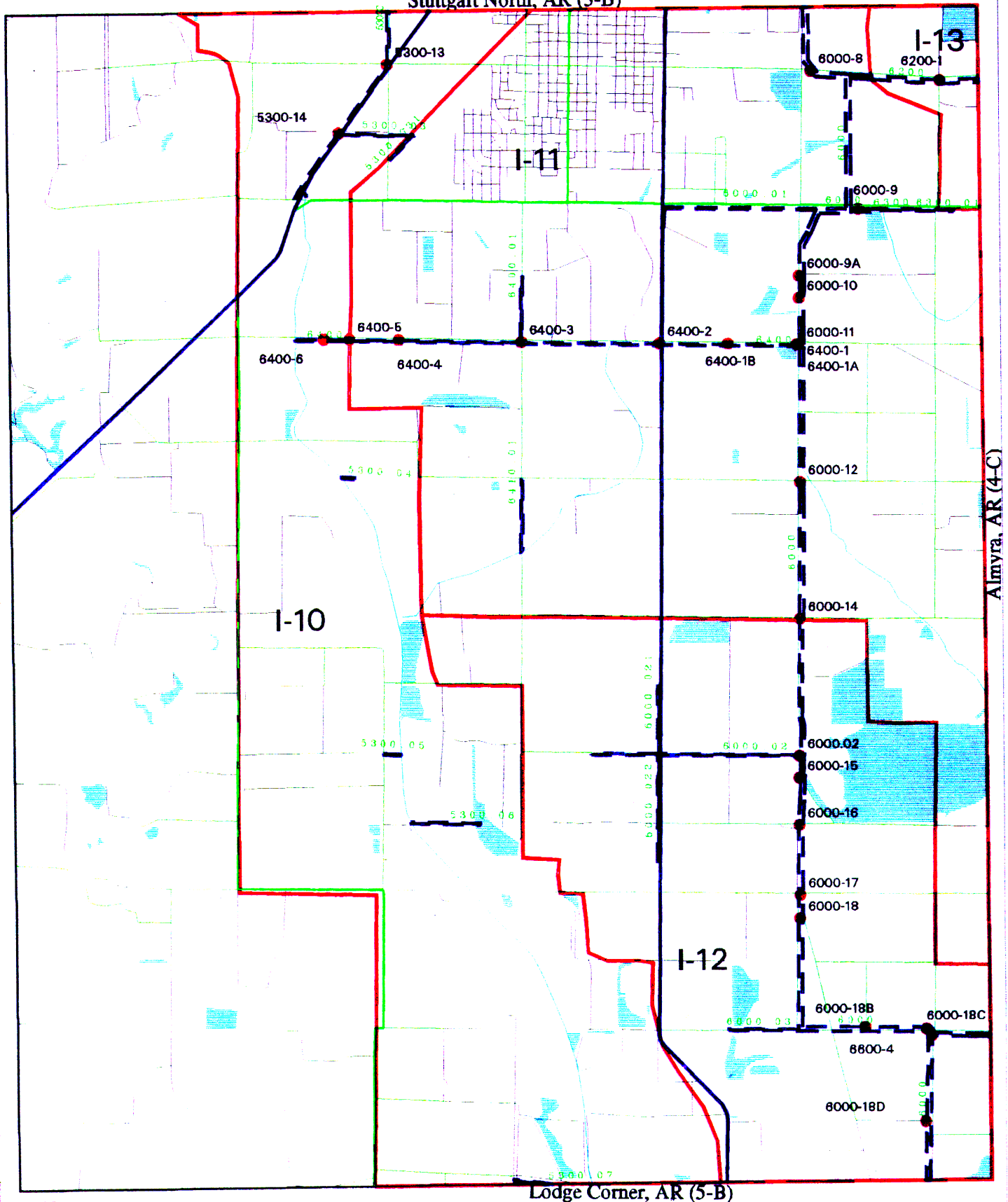


Aberdeen, AR (3-D)  
Utilities

1:62,500



# Stuttgart North, AR (3-B)



Lodge Corner, AR (5-B)

Stuttgart South, AR (4-B)

Utilities



US Army Corps  
of Engineers  
Memphis District



GROUND WATER INSTITUTE  
The University of Memphis

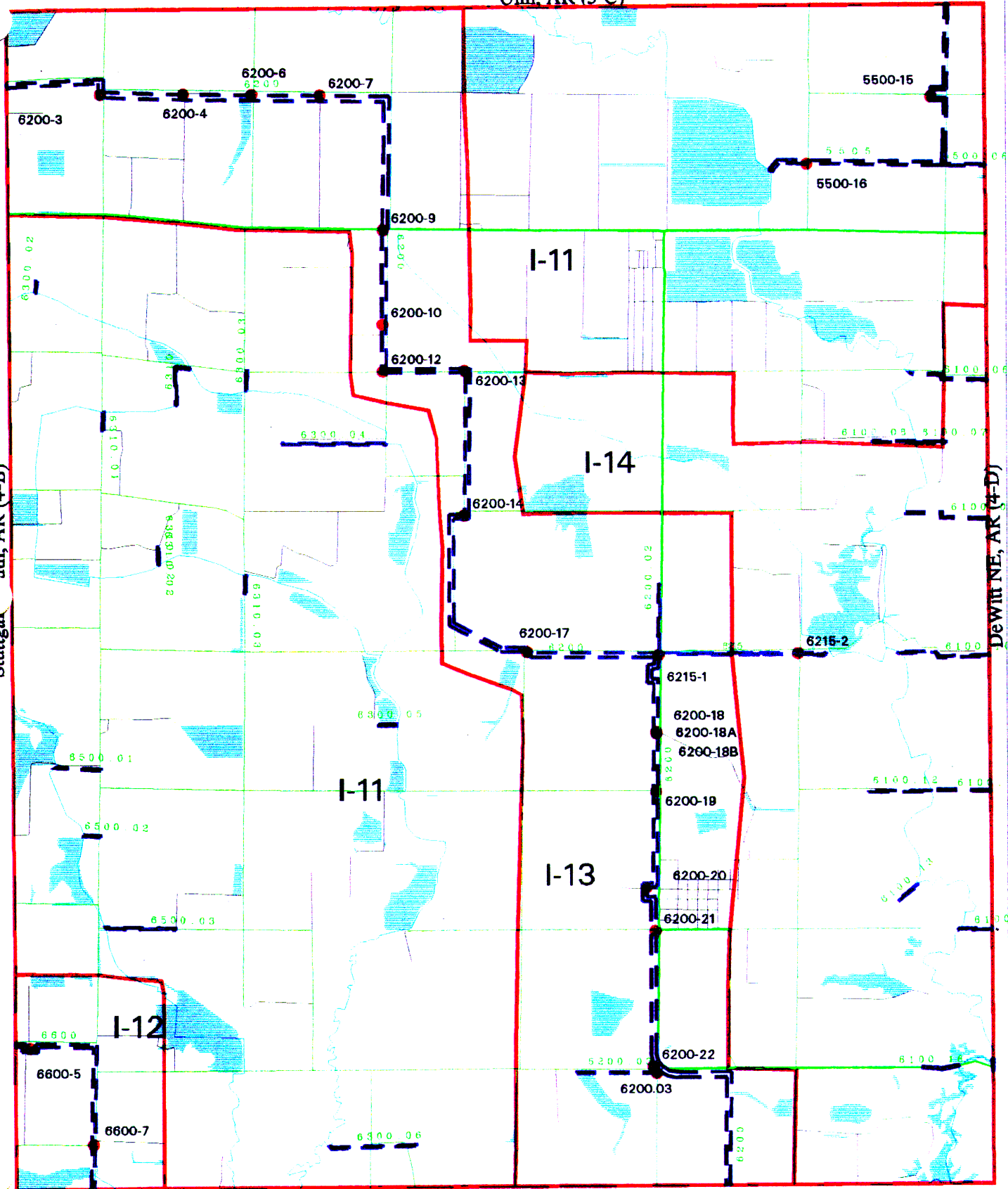
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Ulm, AR (3-C)

Ulm, AR (4-B)

DeWitt NE, AR (4-D)



DeWitt SW, AR (5-C)

Almyra, AR (4-C)  
Utilities



US Army Corps  
of Engineers  
Memphis District



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The University of Memphis

1:62,500



Aberdeen, AR (3-D)

Almyra, AR (4-C)

I-11

6100.08

6100.08

6100.09

6100.10

201 0016

6100.11

6100.141

6100.14

I-14

6100.15

6100.15

6100.151



GROUND WATER INSTITUTE  
The University of Memphis

DeWitt SE, AR (5-D)



Dewitt NE, AR (4-D)  
Utilities

1:62,500



Stuttgart South, AR (4-B)

I-10

I-12

Dewitt SW, AR (5-C)

6000-19

6000-20

6000-19B

6000-21

6000-23

6000-25



US Army Corps  
of Engineers  
Memphis District



CINCINNATI WATER INSTITUTE  
The University of Cincinnati



Lodge Corner, AR (5-B)  
Utilities

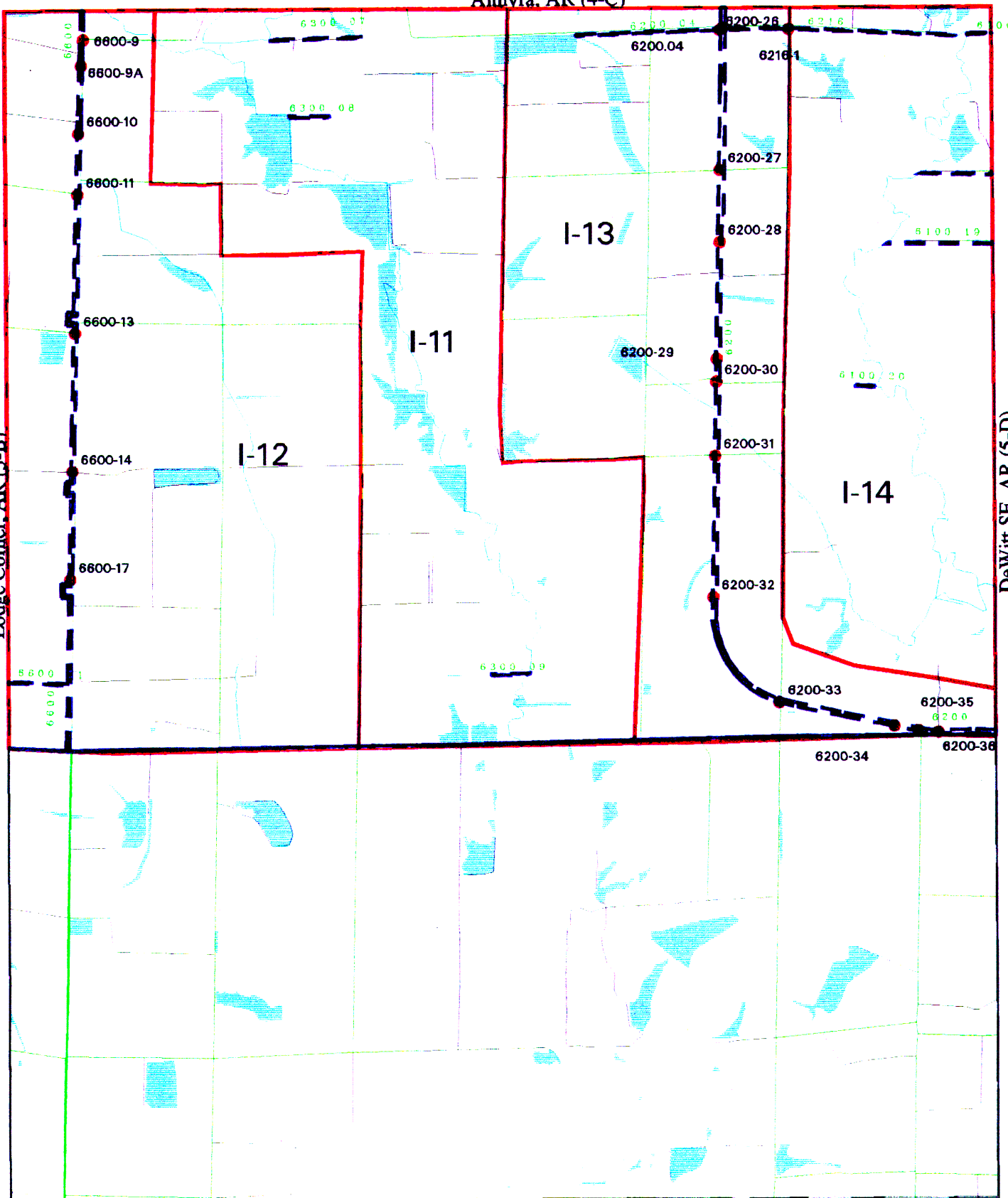
1 62,300



Almyra, AR (4-C)

Lodge Corner, AR (5-B)

DeWitt SE, AR (5-D)



US Army Corps  
of Engineers  
Memphis District



GROUND WATER INSTITUTE  
The University of Memphis



1: 62,500

Dewitt SW, AR (5-C)  
Utilities



DeWitt NE, AR (4-D)

DeWitt SW, AR (5-C)

I-14

I-13



US Army Corps  
of Engineers  
Memphis District



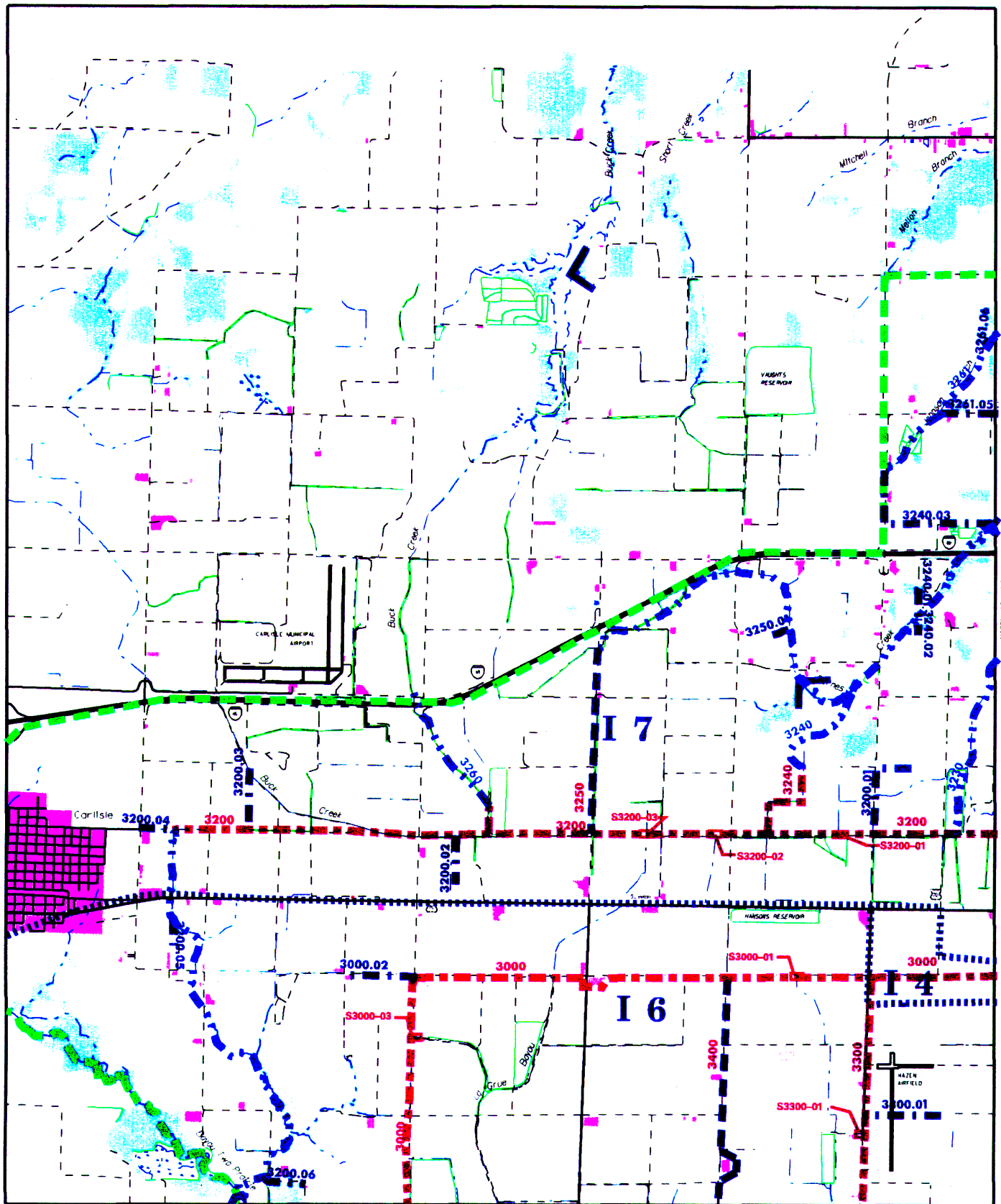
GROUND WATER INSTITUTE  
The University of Memphis



Dewitt SE, AR (5-D)  
Utilities

1 52,500





US Army Corps  
of Engineers  
Memphis District

SCALE 1:62500

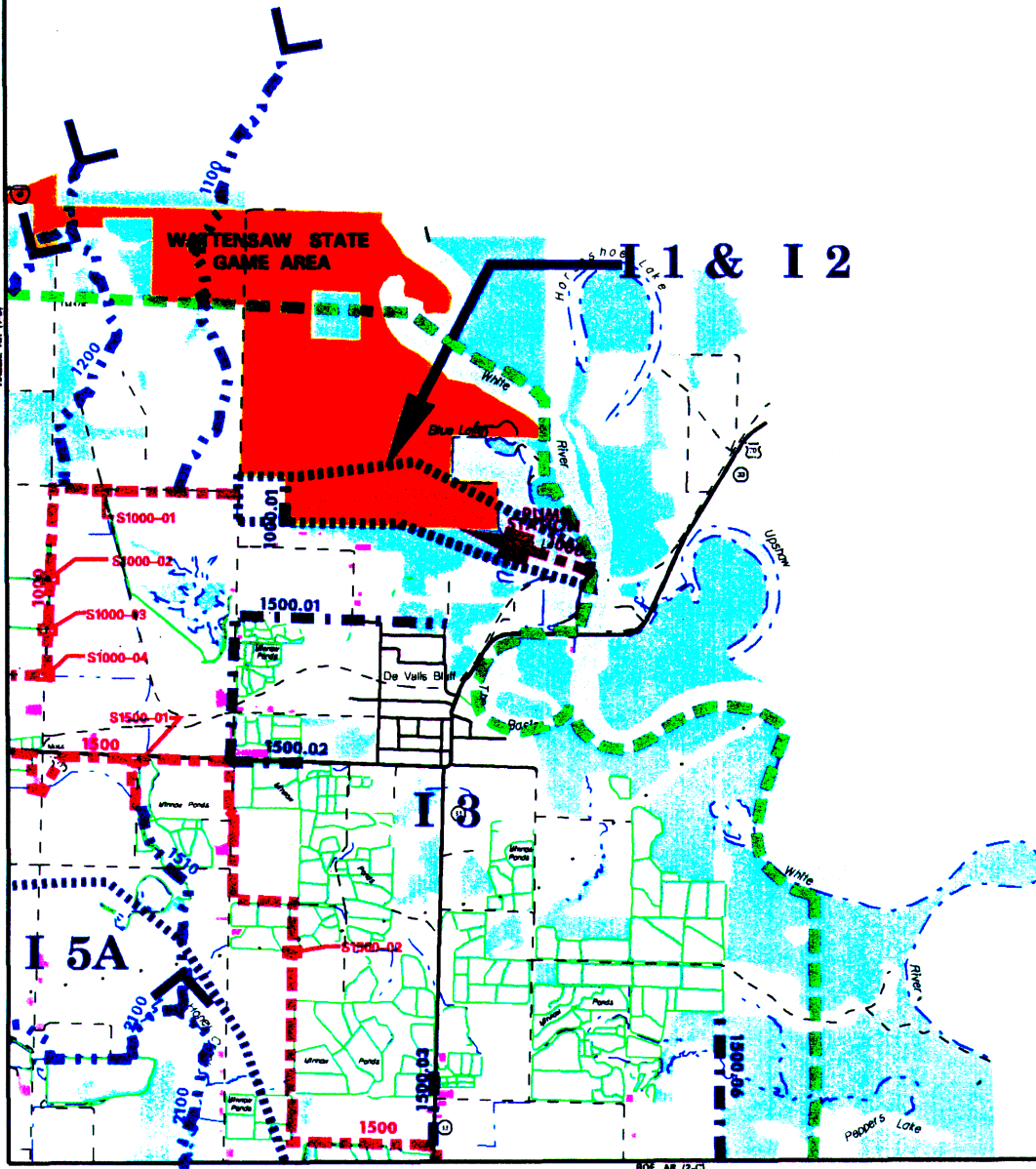
CARLISLE, AR. (1-A)

SIPHONS









ROE, AR (2-C)



US Army Corps  
of Engineers  
Memphis District

- LEGEND
- DEMONSTRATION
  - PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - ITEM BOUNDARIES
  - MAJOR PUMPING STATION

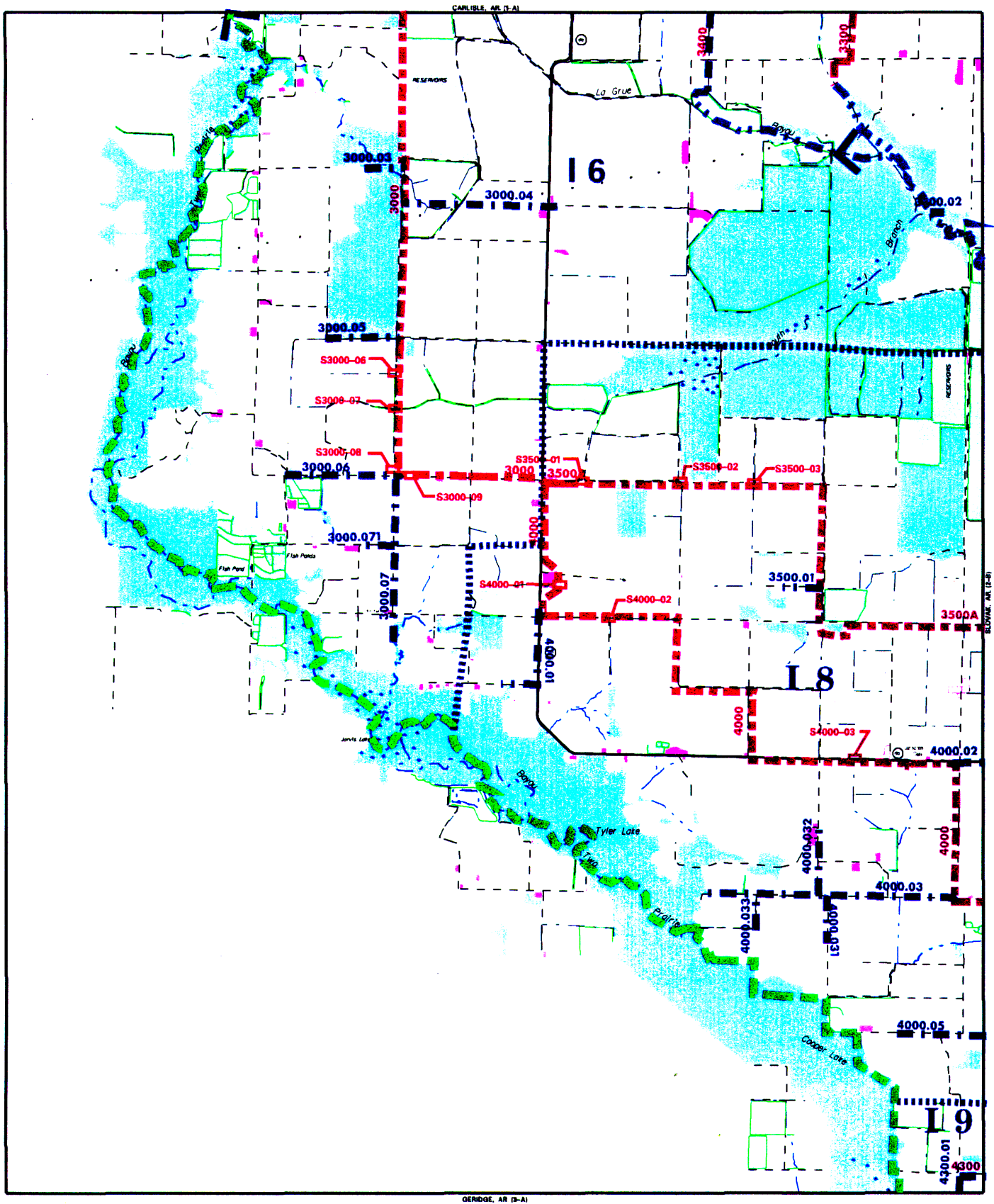
SCALE 1:62500



DeVALLS BLUFF SW, AR (1-C)

SIPHONS





US Army Corps  
of Engineers  
Memphis District

LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES

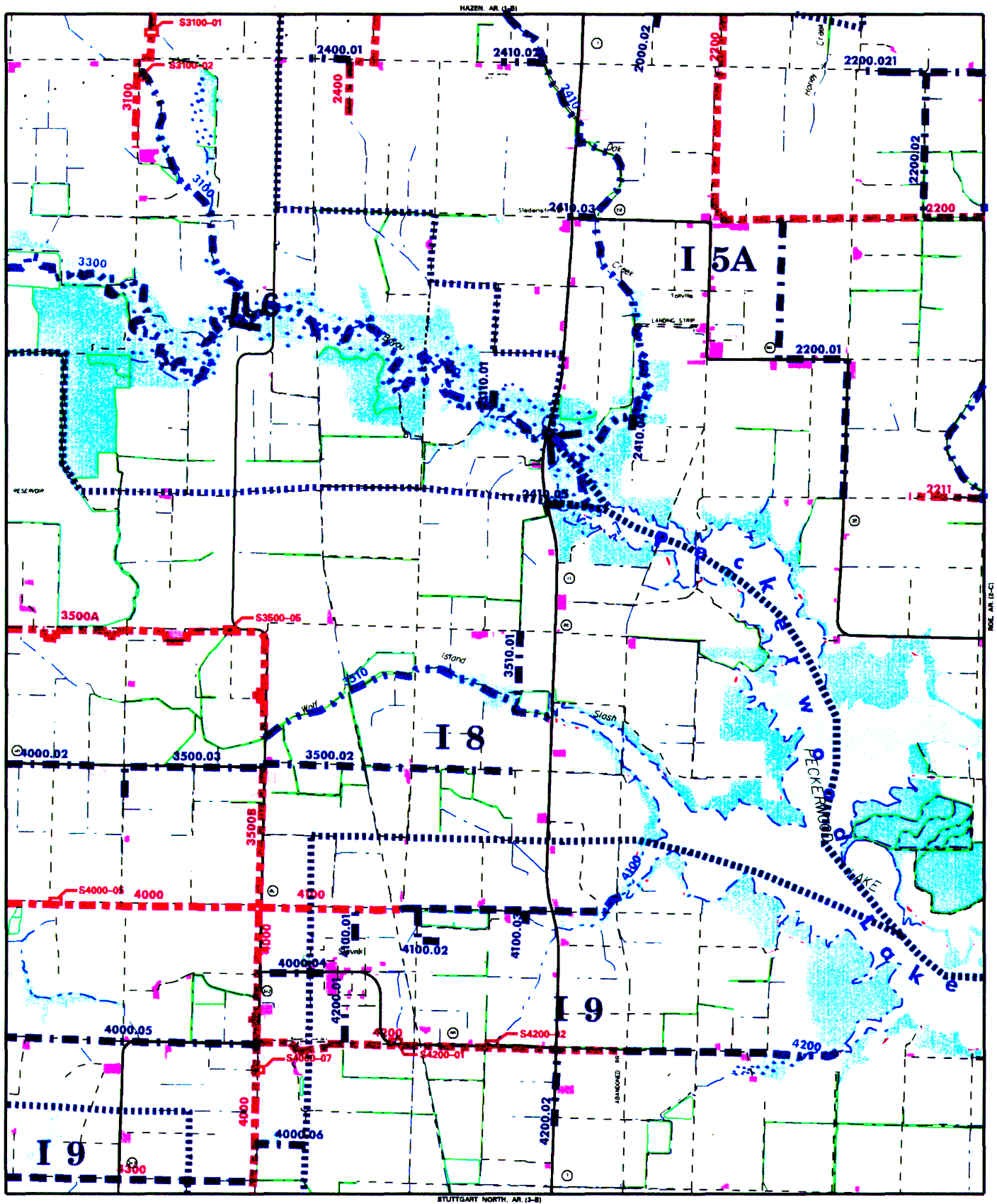
SCALE 1:62500



PARKERS CORNER, AR (2-A)

SIPHONS





  
 US Army Corps  
 of Engineers  
 Memphis District

- LEGEND
- DEMONSTRATION
  - PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - ITEM BOUNDARIES

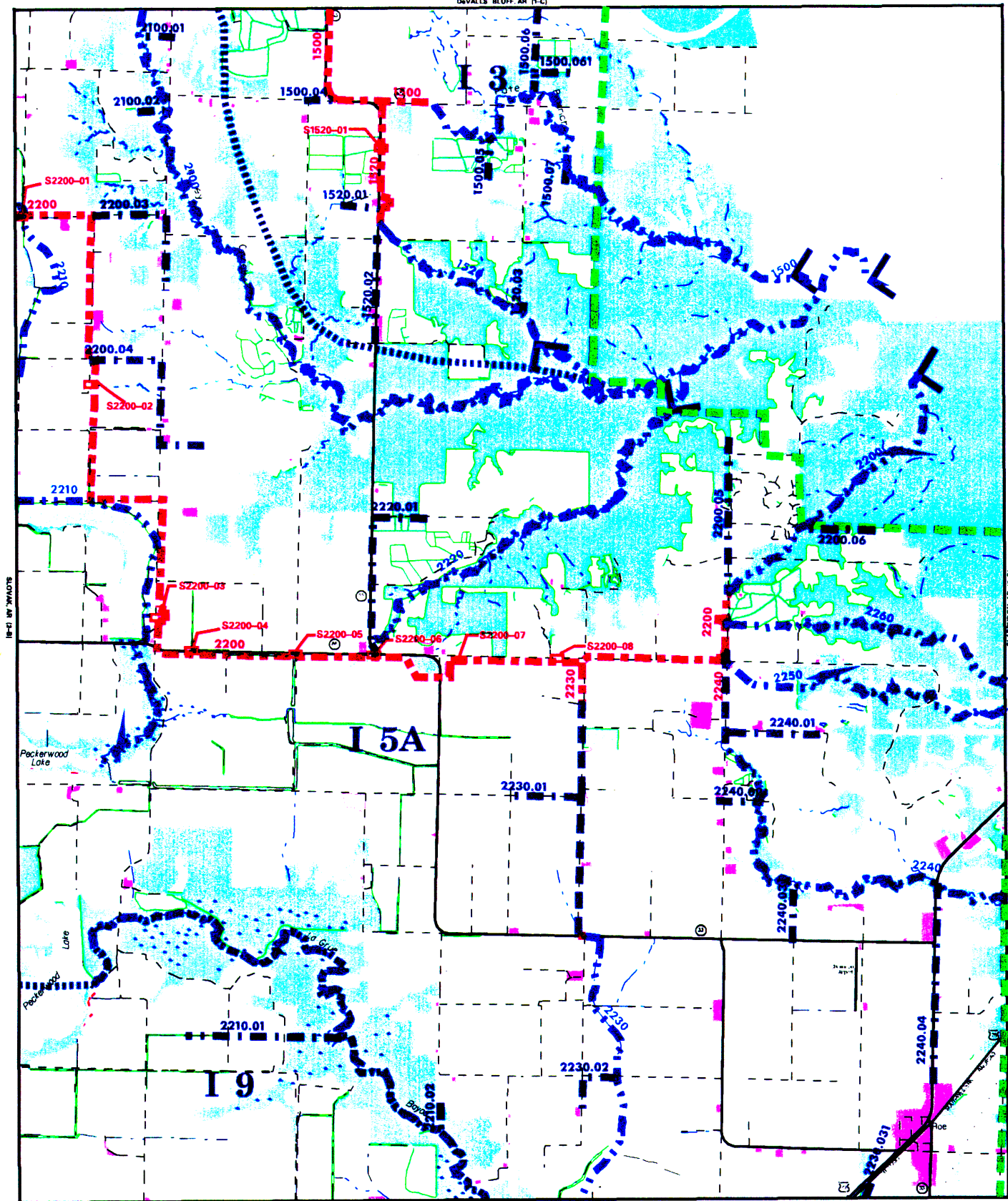
SCALE 1:62500



SLOVAK, AR. (2-B)  
 SIPHONS



DAVALS BLUFF, AR (1-C)



ULM, AR (2-C)

LEGEND

- DEMONSTRATION PROJECT BOUNDARY
- NEW CANAL
- EXISTING CHANNEL PIPELINE
- ITEM BOUNDARIES

SCALE 1:62500



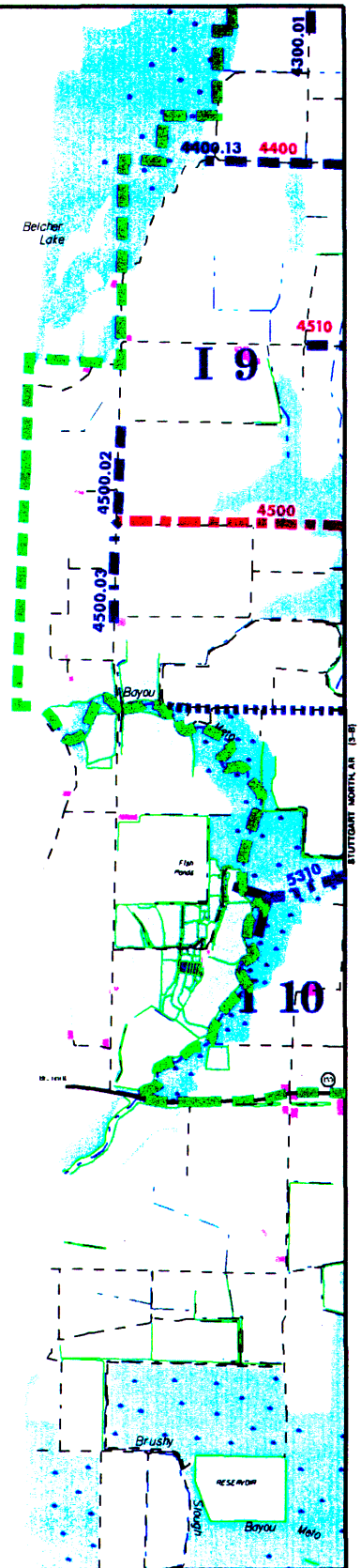
ROE, AR (2-C)

SIPHONS



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of Engineers  
Memphis District





US Army Corps  
of Engineers  
Memphis District

LEGEND

- |  |                                |  |                  |
|--|--------------------------------|--|------------------|
| <span style="color: green;">---</span> | DEMONSTRATION PROJECT BOUNDARY | <span style="color: blue;">---</span>  | EXISTING CHANNEL |
| <span style="color: red;">---</span>   | NEW CANAL                      | <span style="color: black;">---</span> | PIPELINE         |
|  |                                | <span style="color: blue;">....</span> | ITEM BOUNDARIES  |

SCALE 1:62500

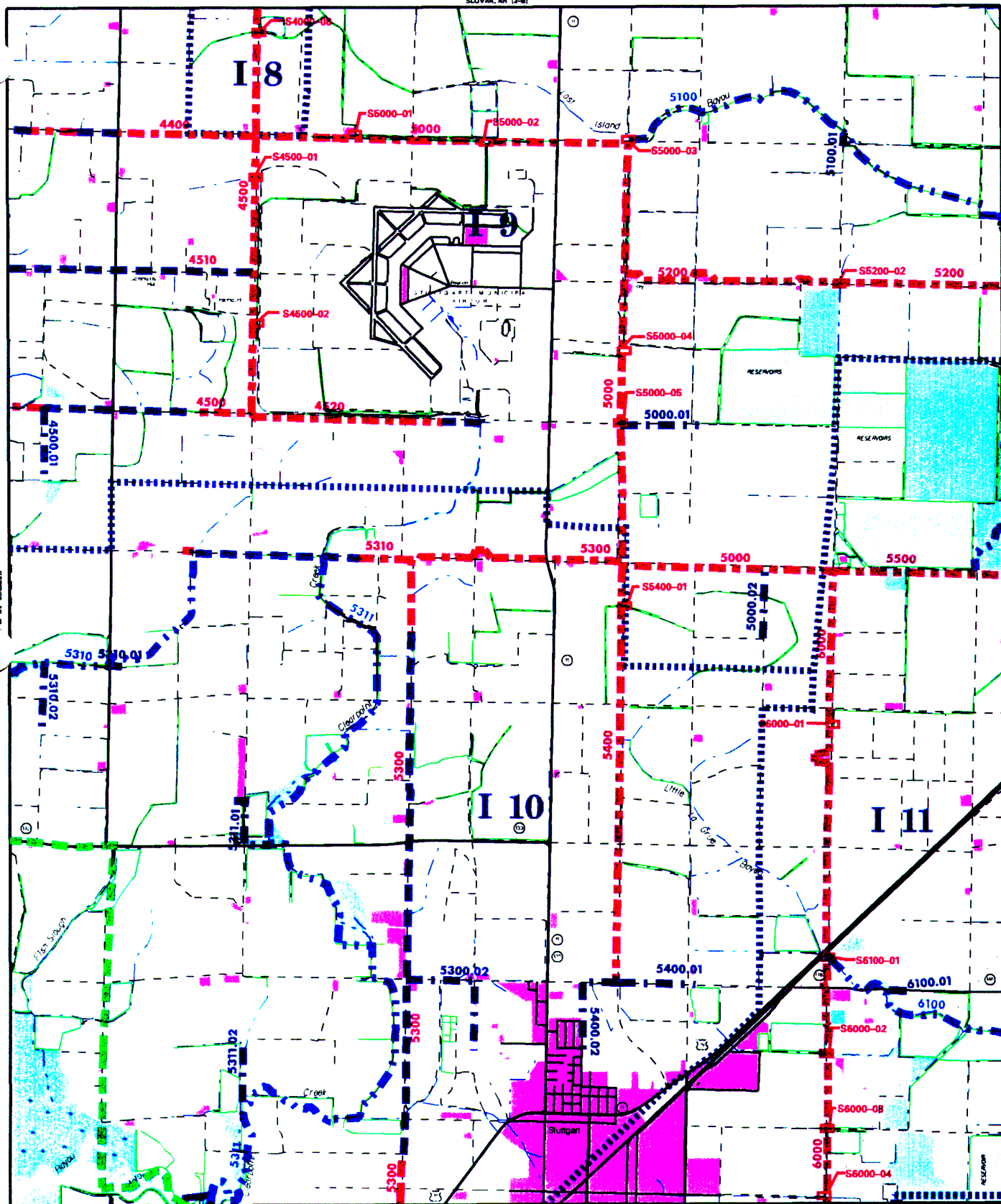


GERIDGE, AR (3-A)

SIPHONS



SLOVAK, AR (2-B)



STUTTGART SOUTH, AR (4-B)

LEGEND

- DEMONSTRATION PROJECT BOUNDARY
- NEW CANAL
- EXISTING CHANNEL
- PIPELINE
- ITEM BOUNDARIES

SCALE 1:62500

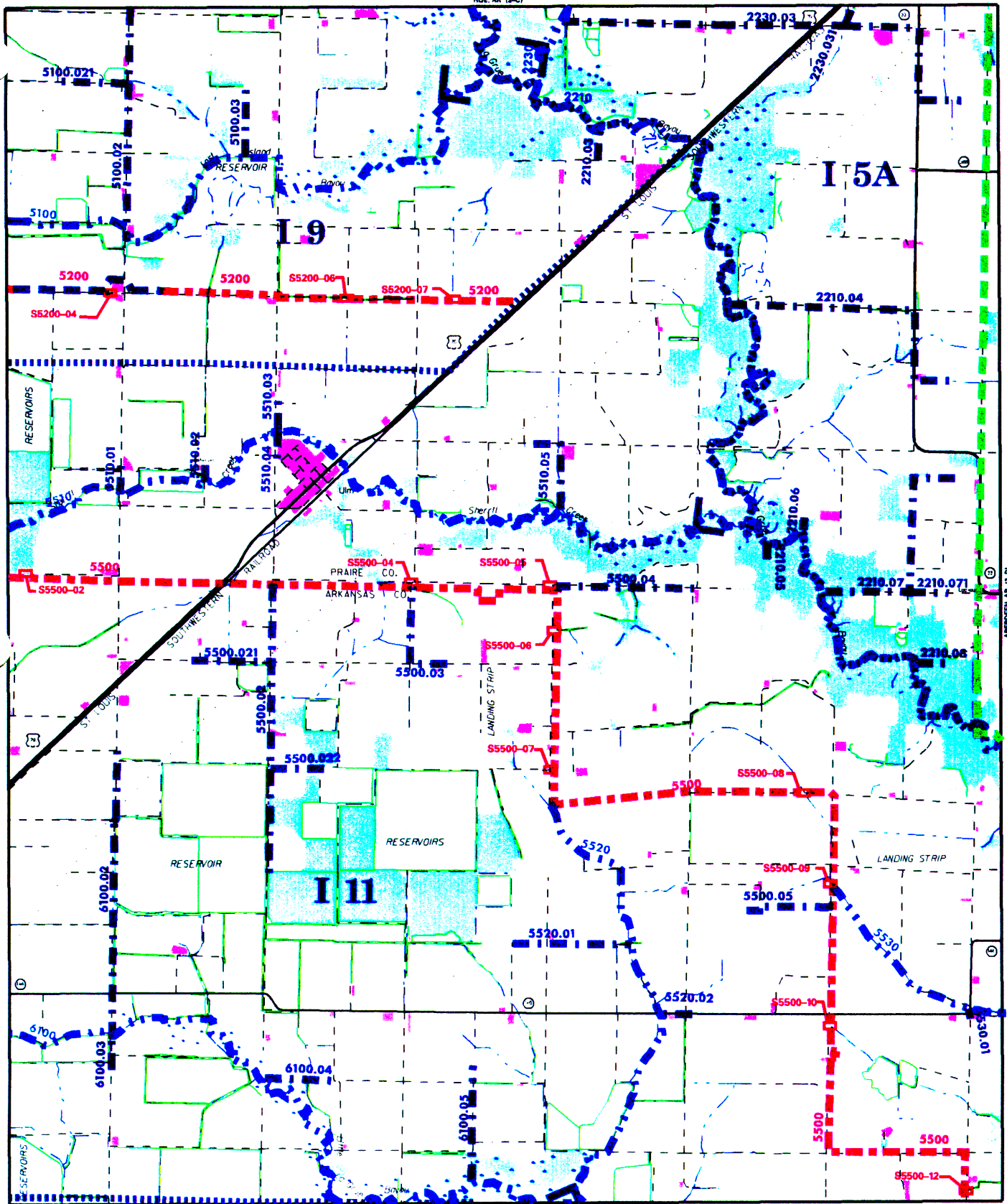
STUTTGART NORTH, AR (3-B)

SIPHONS

US Army Corps  
of Engineers  
Memphis District



ROE, AR (2-C)



ALMYRE, AR (4-C)

US Army Corps  
of Engineers  
Memphis District

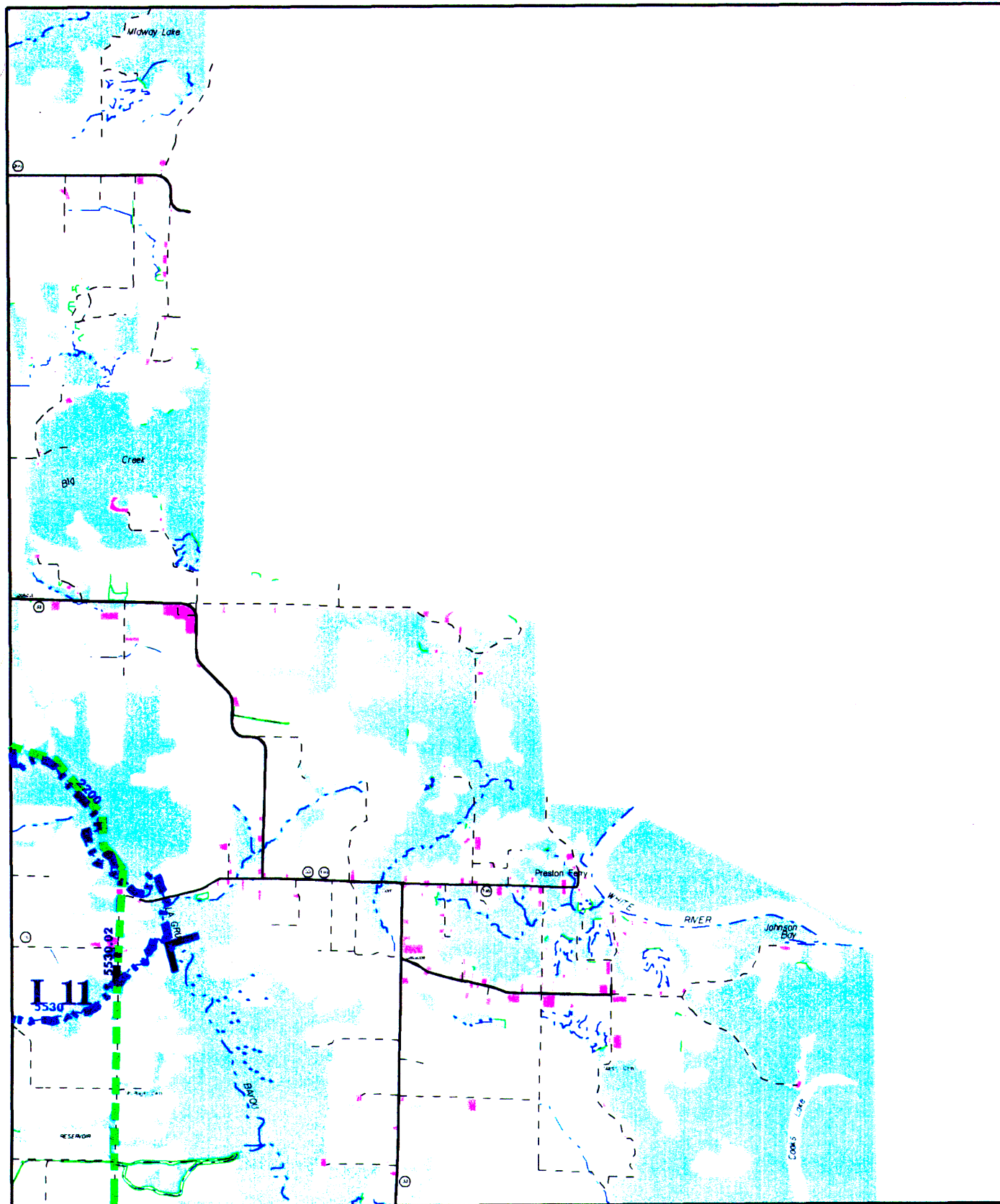
LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES

SCALE 1"=62500'



ULM, AR (3-C)  
SIPHONS





DAWM11 NE, AR. (3-D)

## LEGEND

- |   |  |
|---|--|
| <span style="color: green;">—</span> DEMONSTRATION  | <span style="color: blue;">—</span> EXISTING CHANNEL |
| <span style="color: red;">—</span> PROJECT BOUNDARY | <span style="color: blue;">—</span> PIPELINE         |
| <span style="color: red;">—</span> NEW CANAL        | <span style="color: blue;">—</span> ITEM BOUNDARIES  |

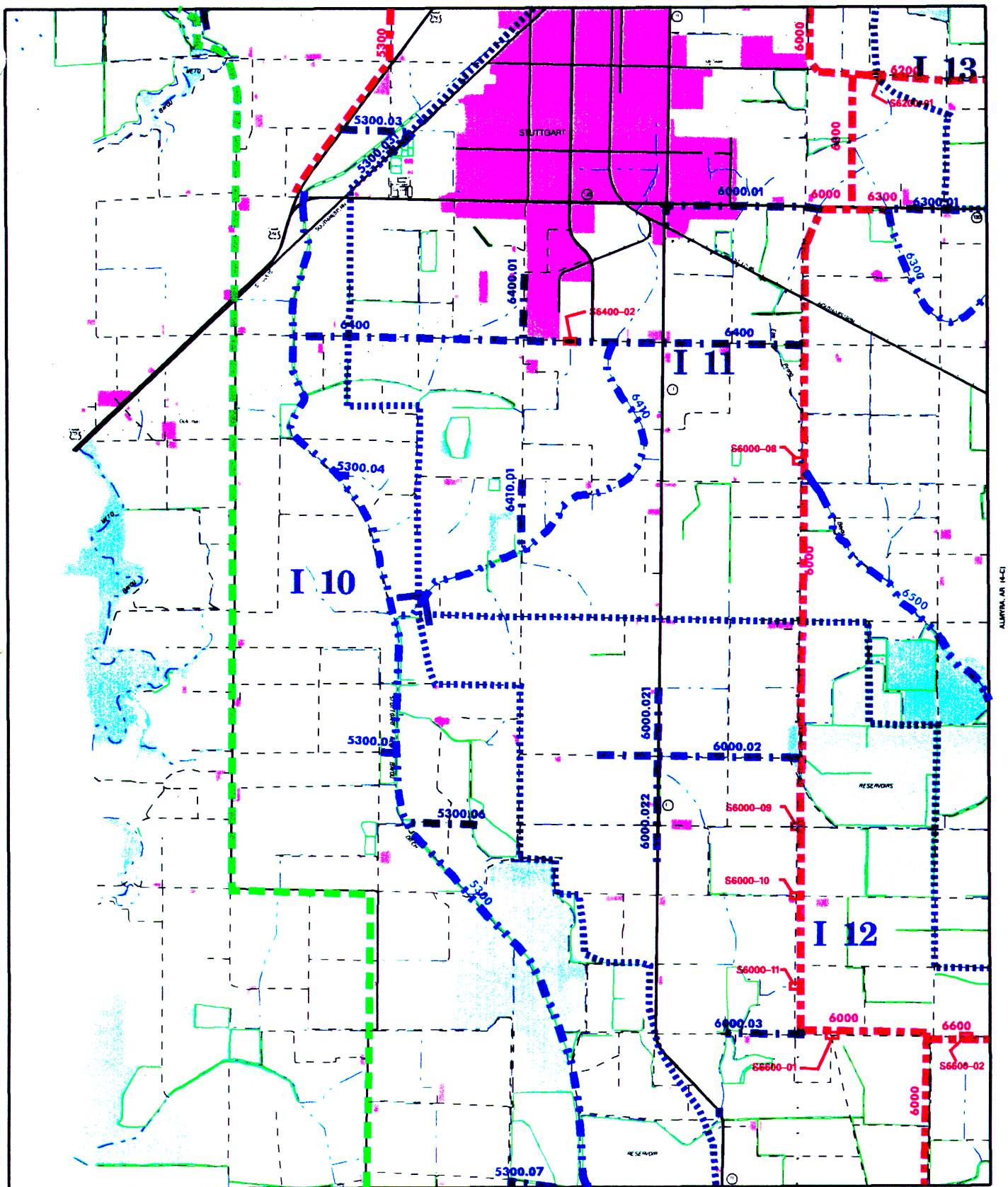
SCALE 1"=62500'



ABERDEEN, AR. (3-D)

SIPHONS





LUDGE CORNER, AR (5-B)



US Army Corps  
of Engineers  
Memphis District

LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES

SCALE: 1:62500

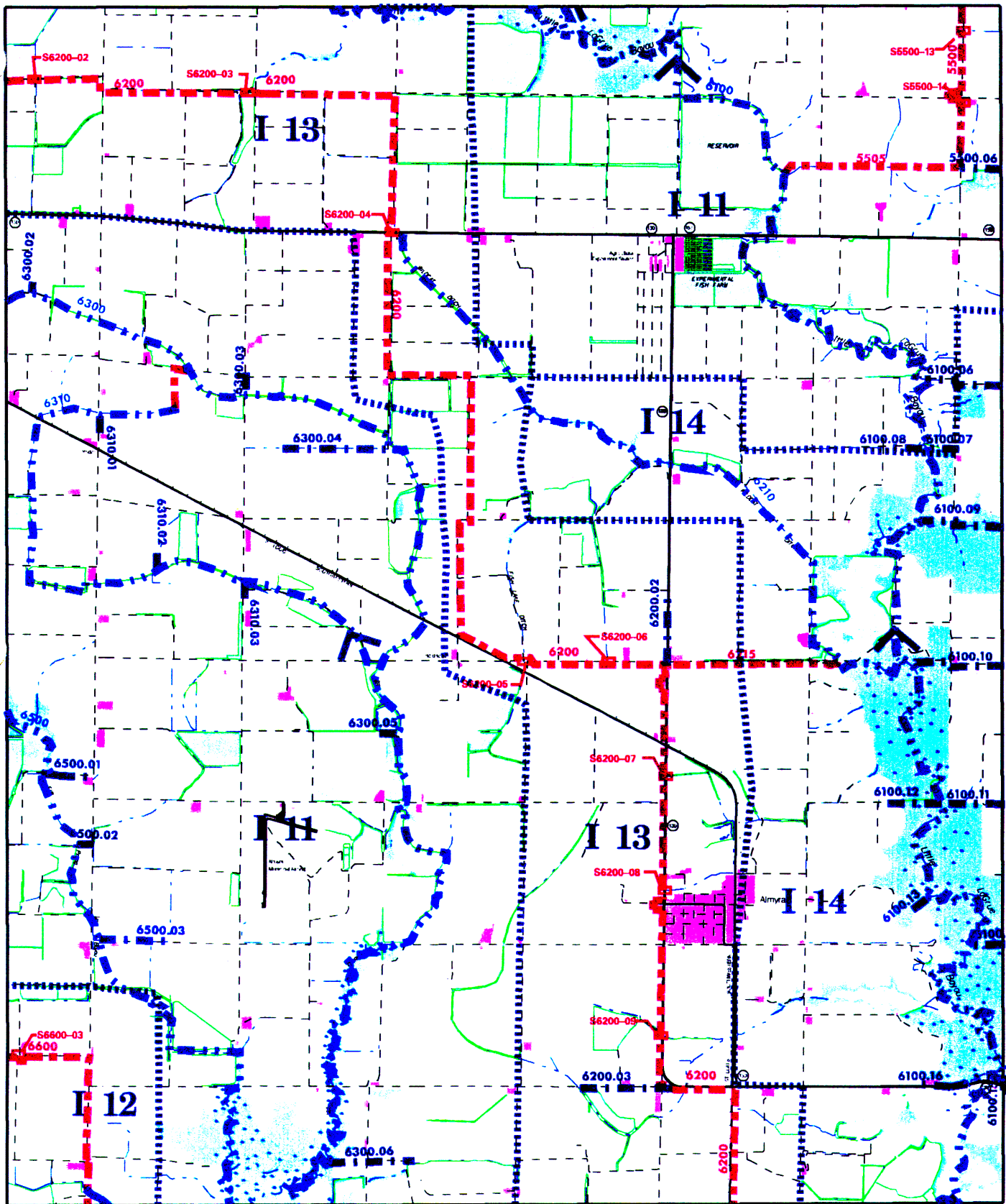


STUTTART SOUTH, AR (4-B)

SIPHONS



UTM, AR (4-C)



US Army Corps  
of Engineers  
Memphis District

LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES

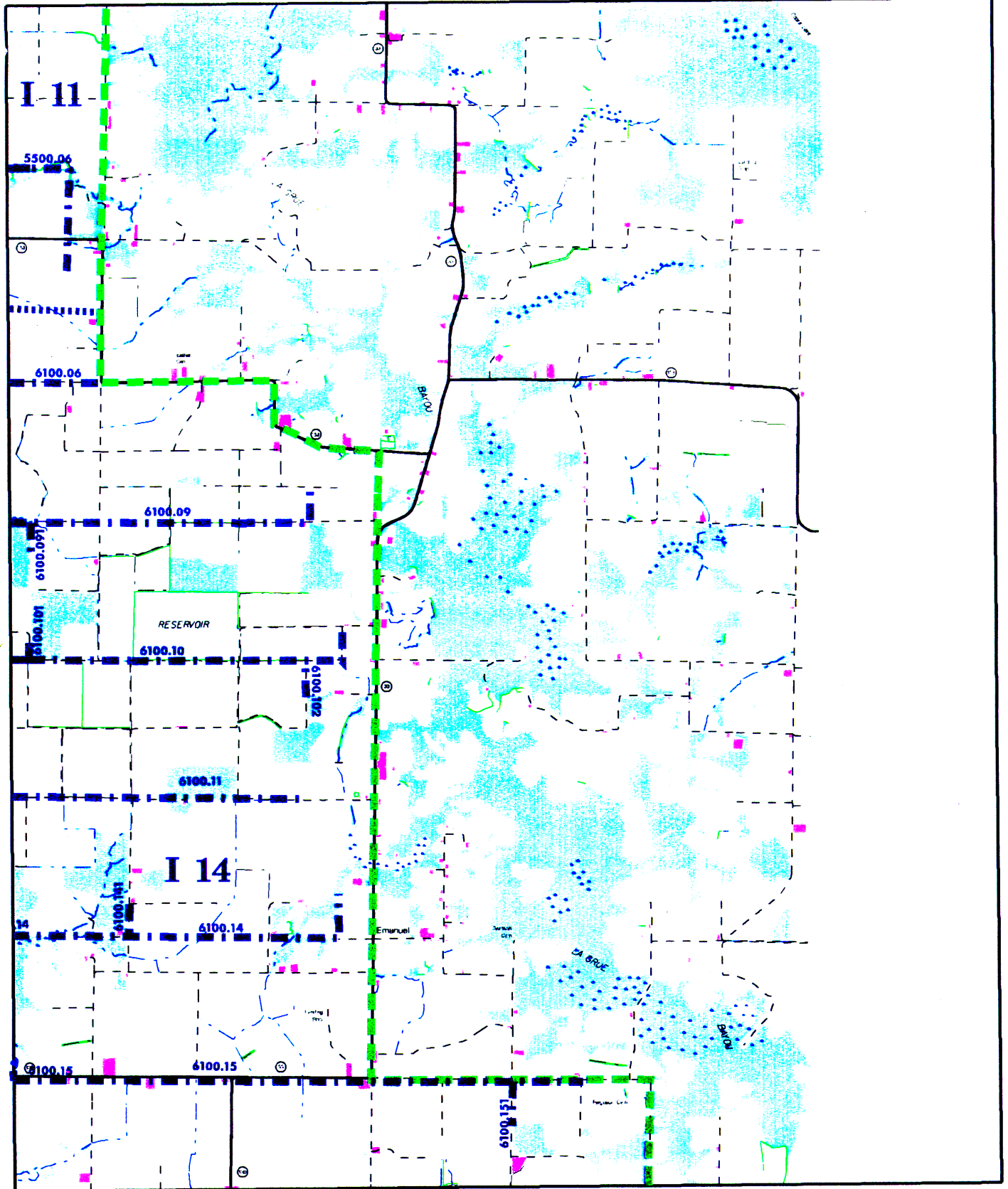
SCALE: 1:62500



ALMYRA, AR (4-C)

SIPHONS



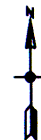


DeWITT, AR. (5-D)

LEGEND

- DEMONSTRATION PROJECT BOUNDARY
- NEW CANAL
- EXISTING CHANNEL
- PIPELINE
- ITEM BOUNDARIES

SCALE 1:62500



DeWITT NE, AR. (4-D)

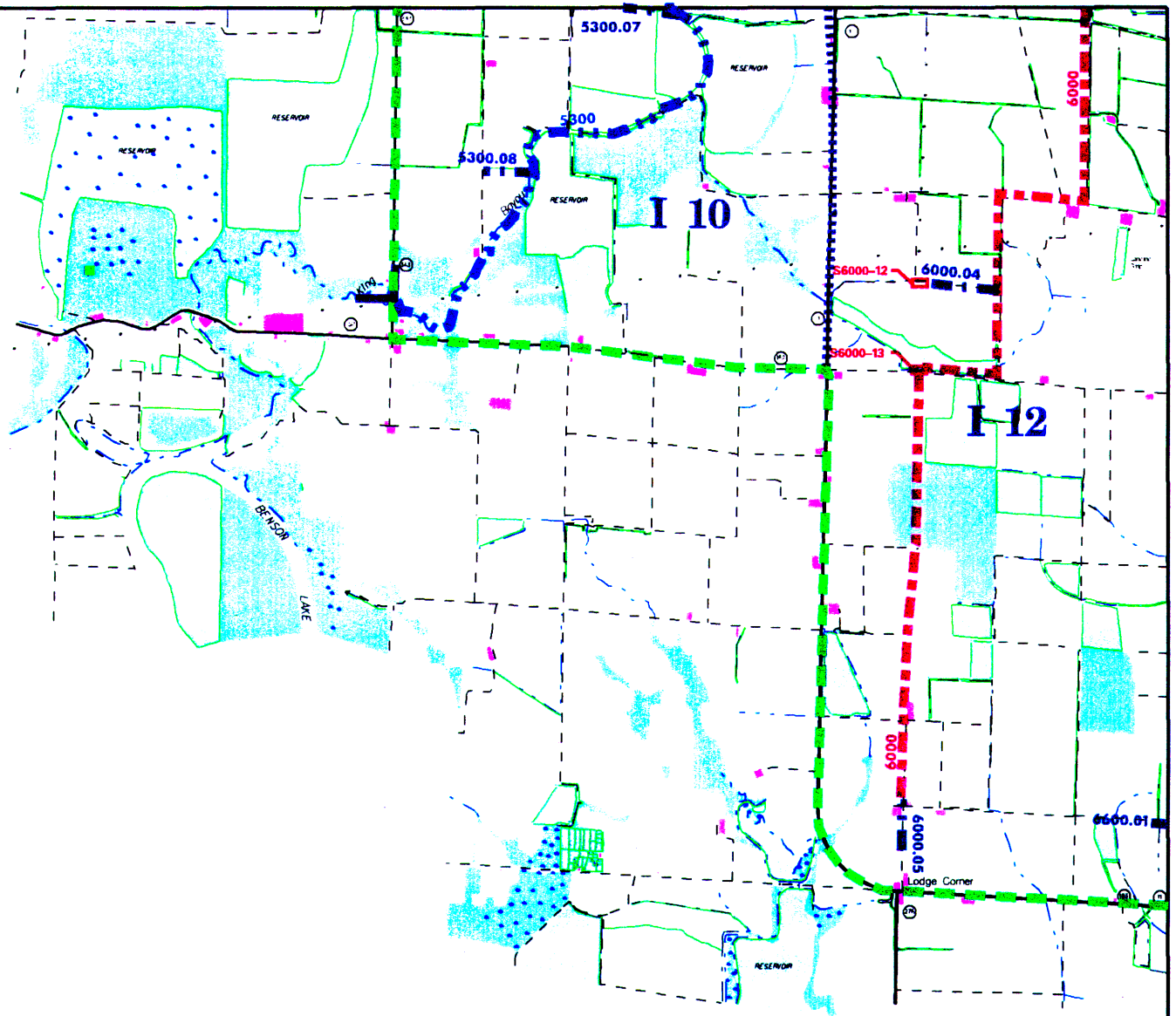
SIPHONS



US Army Corps  
of Engineers  
Memphis District



STUTTGART SOUTH, AR (4-B)



OWITT SW, AR (5-C)



US Army Corps  
of Engineers  
Memphis District

- LEGEND
- DEMONSTRATION PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - TEM. BOUNDARIES

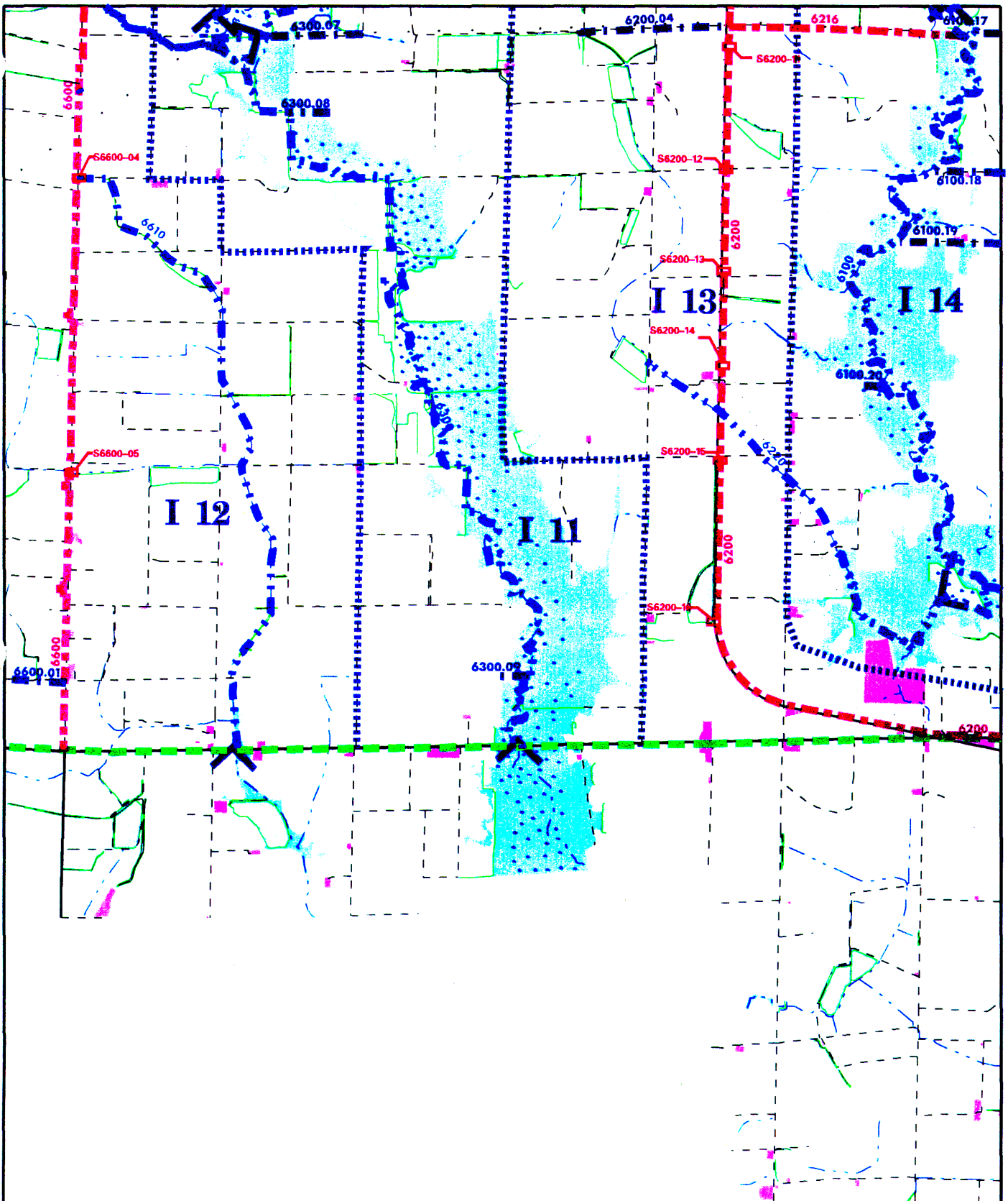
SCALE 1:62500



LODGE CORNER, AR (5-B)

SIPHONS



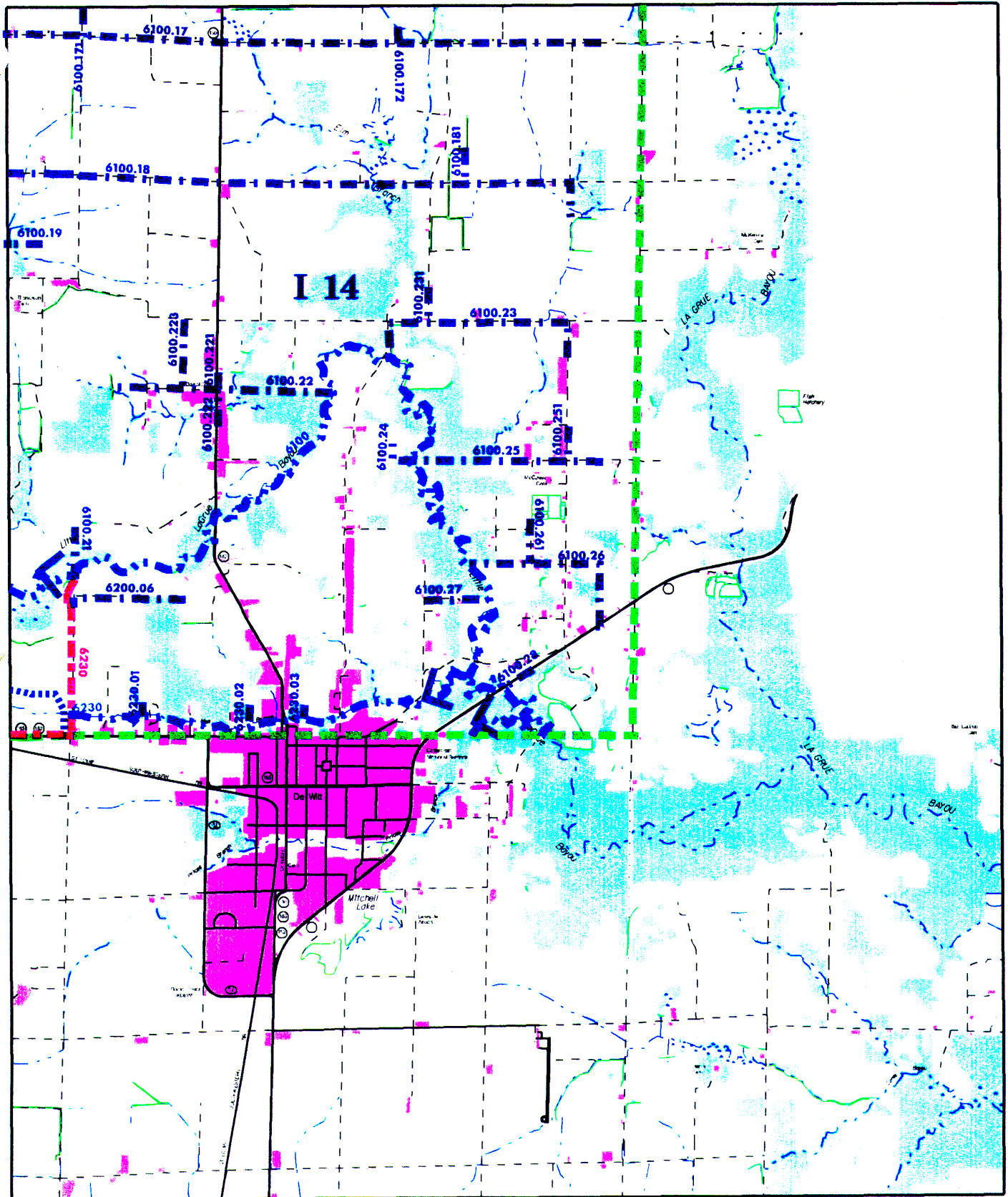


LOOK CORNER, AR

DeWITT, AR (5-D)







DeWITT SW, AR

DeWITT SE, AR

US Army Corps  
of Engineers  
Memphis District

LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES

SCALE 1/2"=500'



DeWITT SE, AR. (5-D)

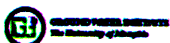
SIPHONS



	Bottomland Hardwood
	Dead Timber
	Forested Swamp
	Impoundments
	Marsh
	Riverine
	Scrub/Shrub Swamp
	Unclassified
	Upland Hardwoods
	Prairies
	Unique Woodlands
	Interstates
	US Highways
	State Highways
	Other Roads
	Weirs
	Canal and Pipeline Right of Way Boundaries
	Item Reach Boundaries

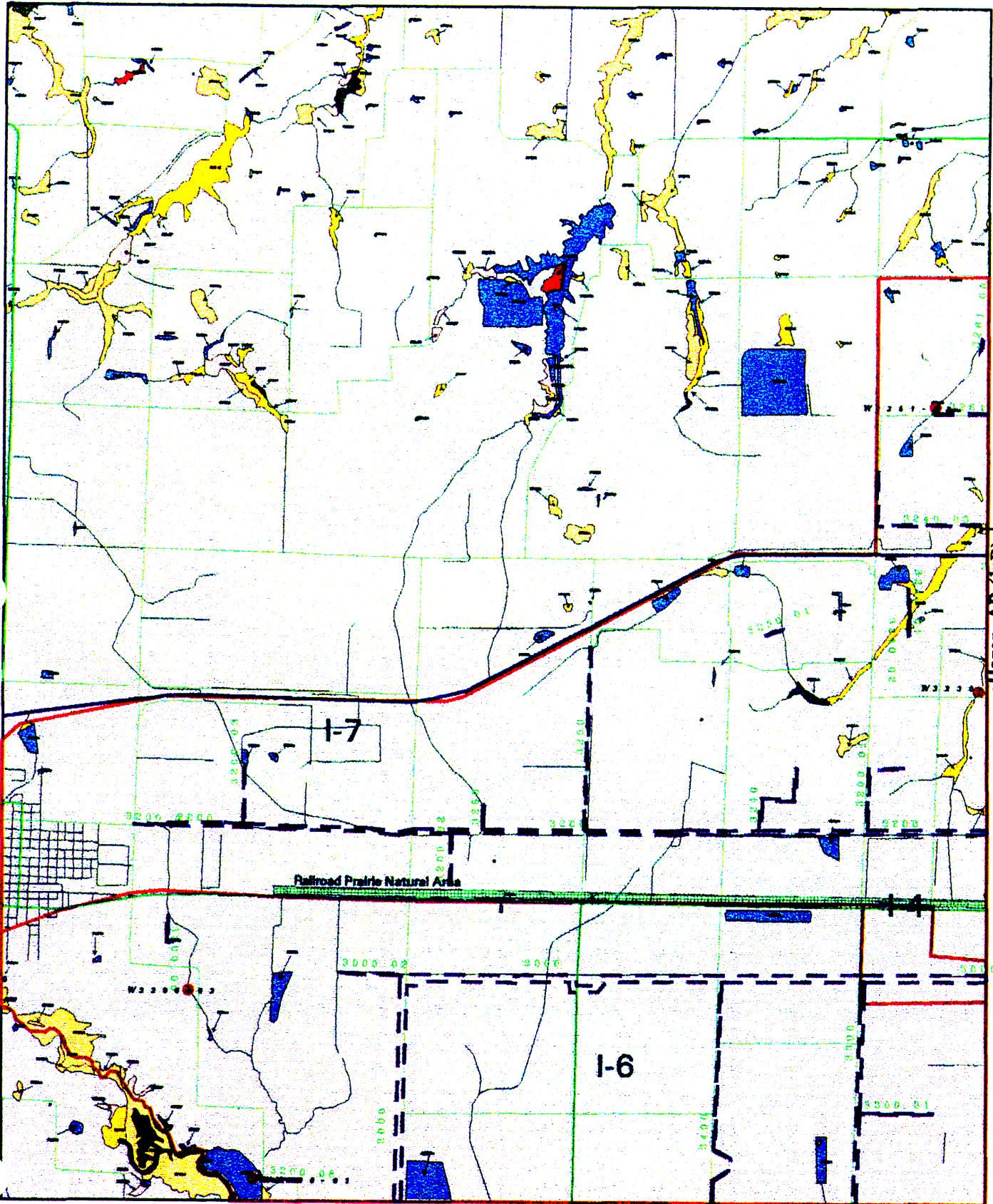


Army Corps  
of Engineers  
Mississippi District

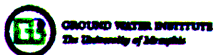


## Wetlands Index





Hazen, AR (1-B)



Parkers Corner, AR (2-A)



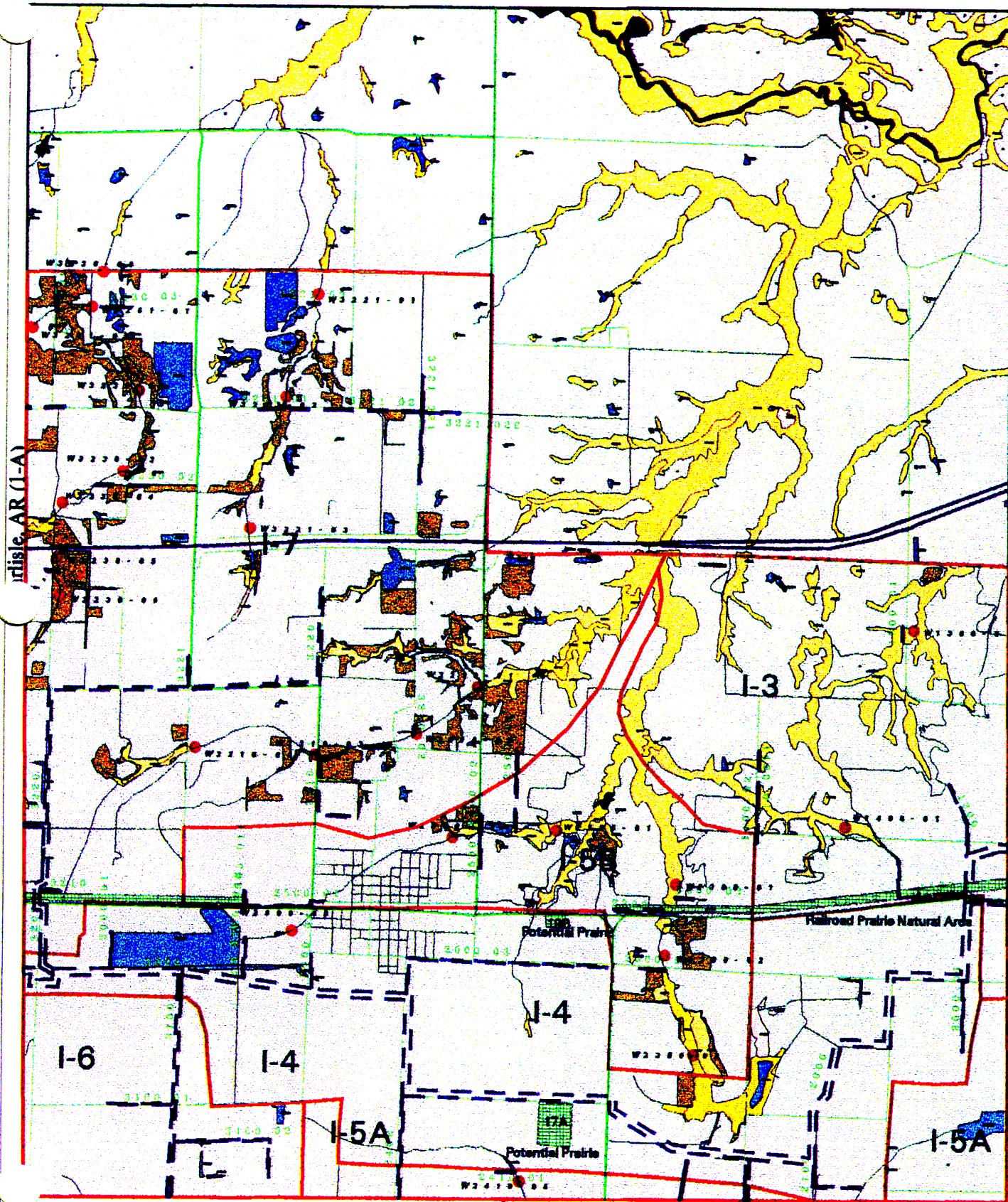
Carlisle, AR (1-A)  
Wetlands

1:2,500



urlis, AR (1-A)

DeValls Bluff SW, AR (1-C)



Slovak, AR (2-B)

Hazen, AR (1-B)  
Wetlands



US Army Corps  
of Engineers  
Memphis District

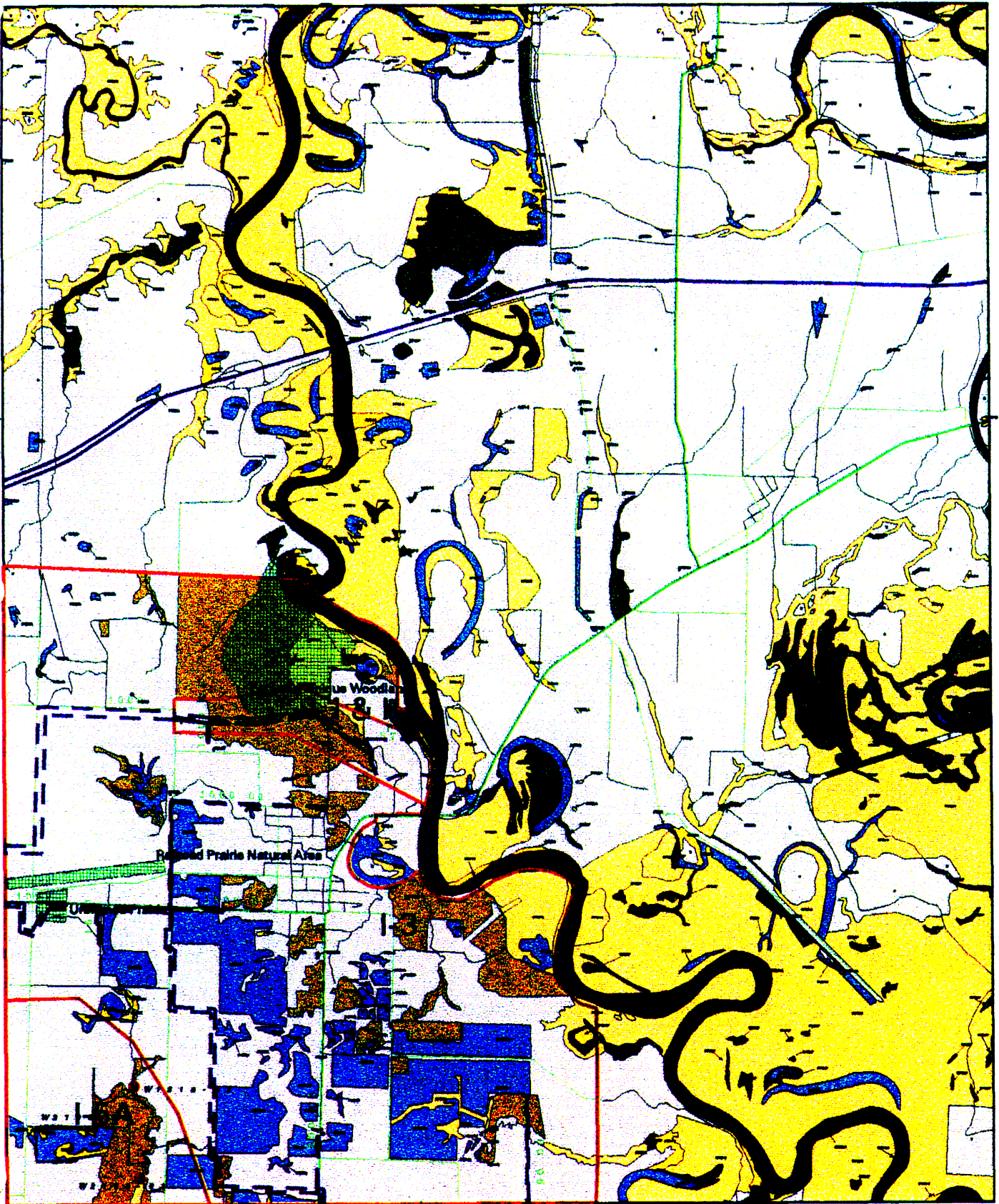


GROUND WATER INSTITUTE  
The University of Memphis

1: 25,000



HAZEL, AR (1-B)



Roe, AR (2-C)



Devalls Bluff SW, AR (1-C)  
Wetlands



US Army Corps  
of Engineers  
Memphis District

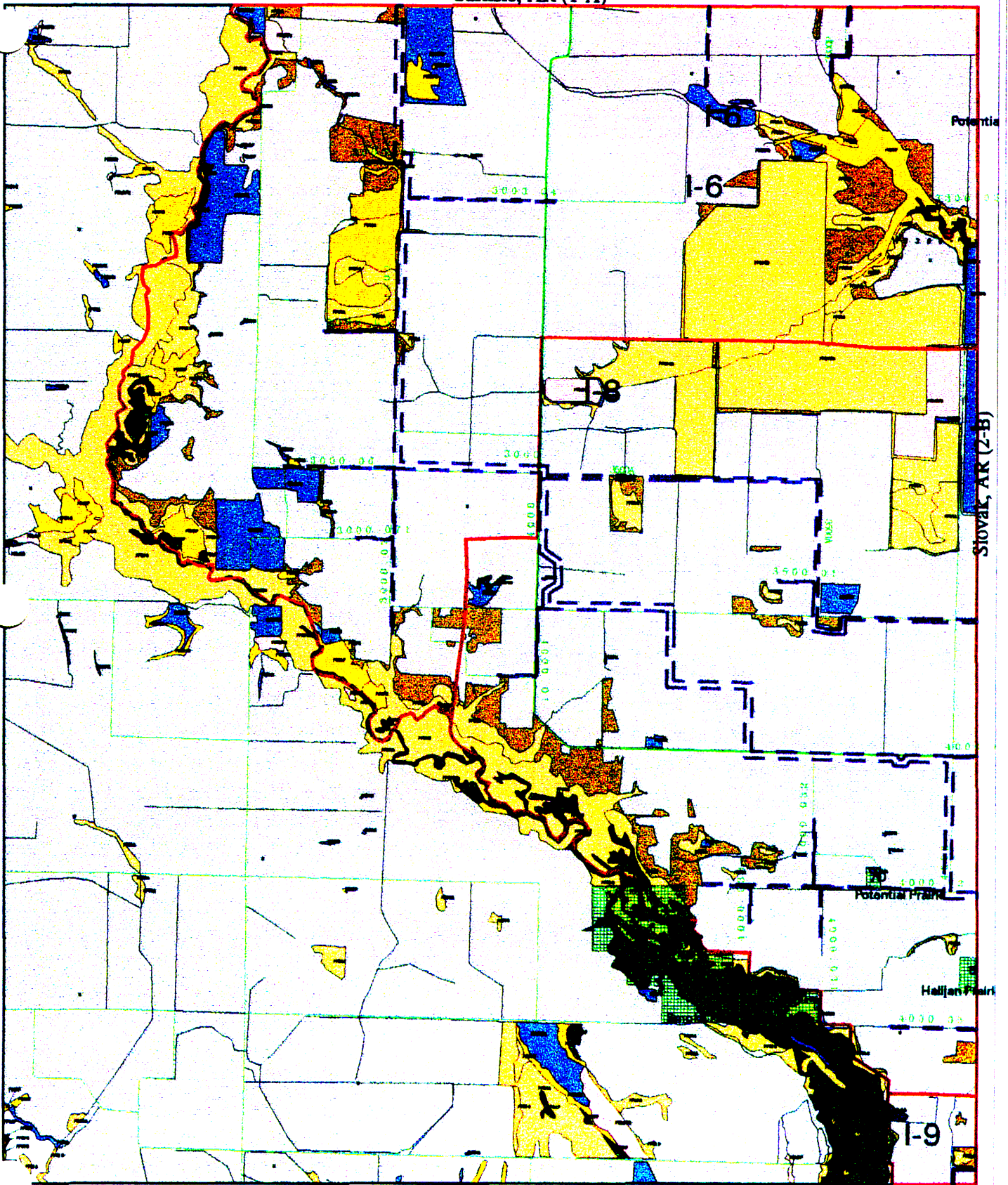


GROUND WATER INSTITUTE  
The University of Memphis

1:62,500



Carlisle, AR (1-A)



Geridge, AR (3-A)

Parkers Corner, AR (2-A)  
Wetlands



1: 6,300



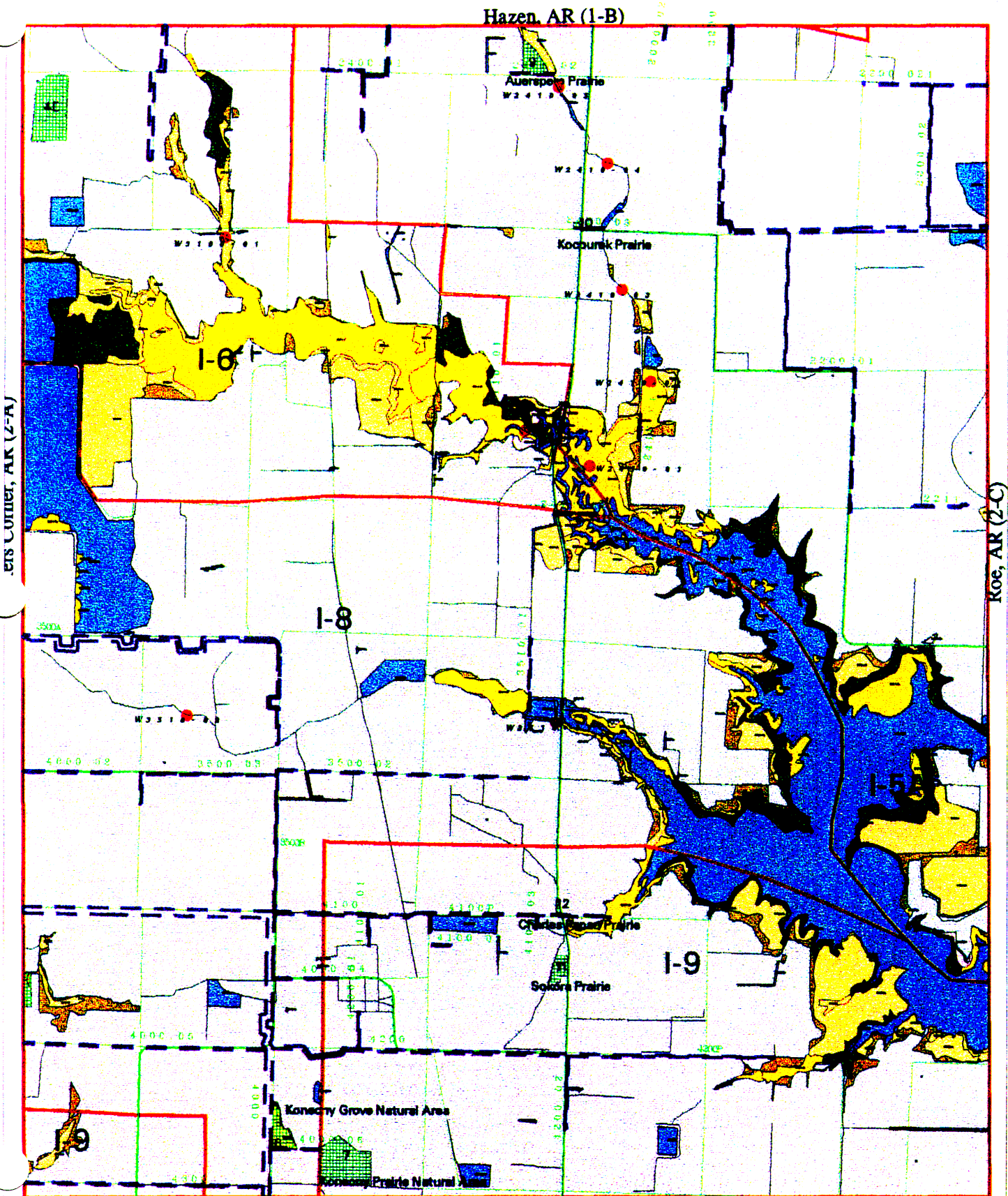
US Army Corps  
of Engineers  
Memphis District



GROUND WATER INSTITUTE  
The University of Memphis



ers Corner, AR (2-A)



Roe, AR (2-C)

Stuttgart North, AR (3-B)

Slovak, AR (2-B)  
Wetlands



US Army Corps  
of Engineers  
Memphis District



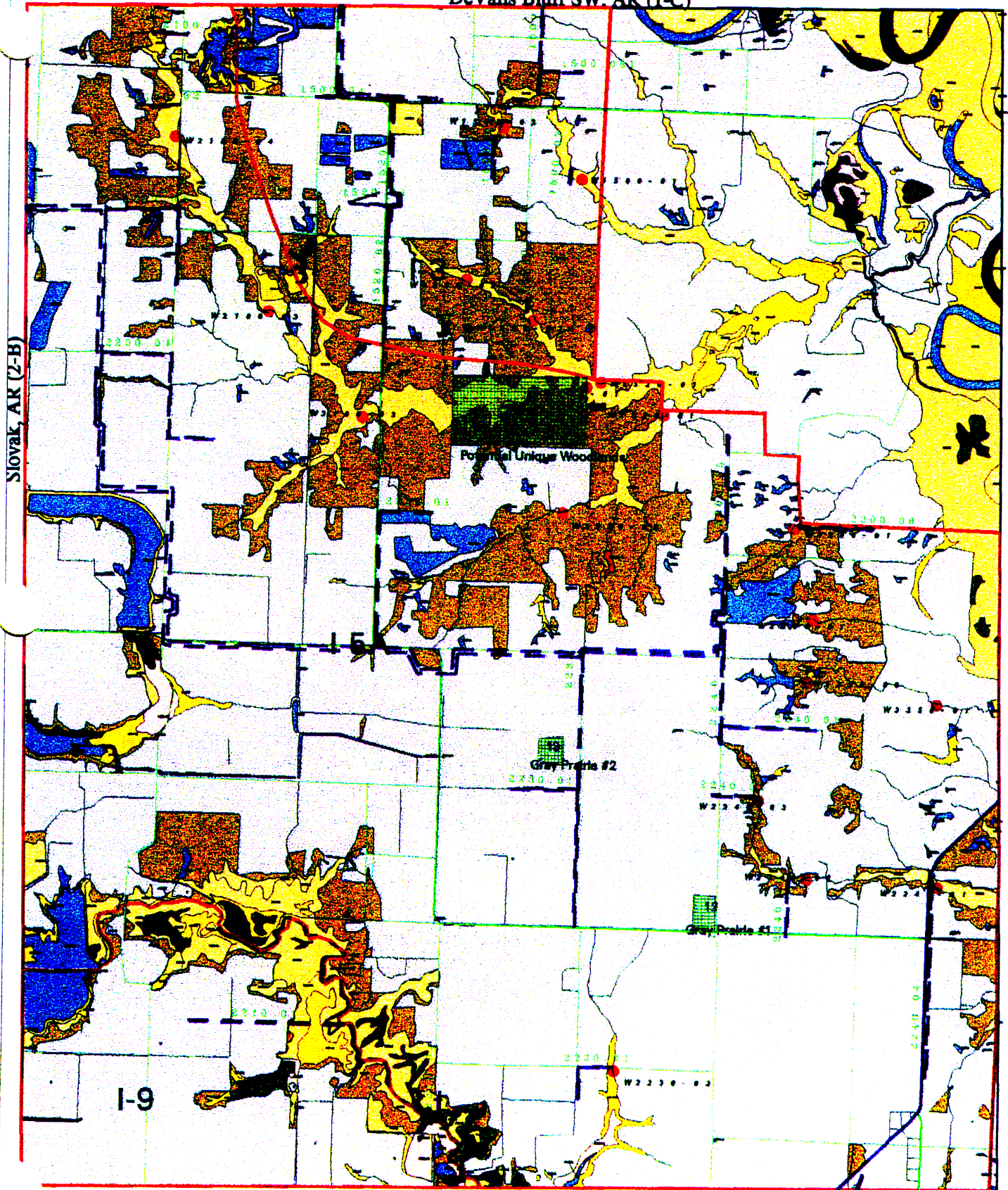
GROUND WATER INSTITUTE  
The University of Memphis



1:40,000



DeValls Bluff SW. AR (1-C)



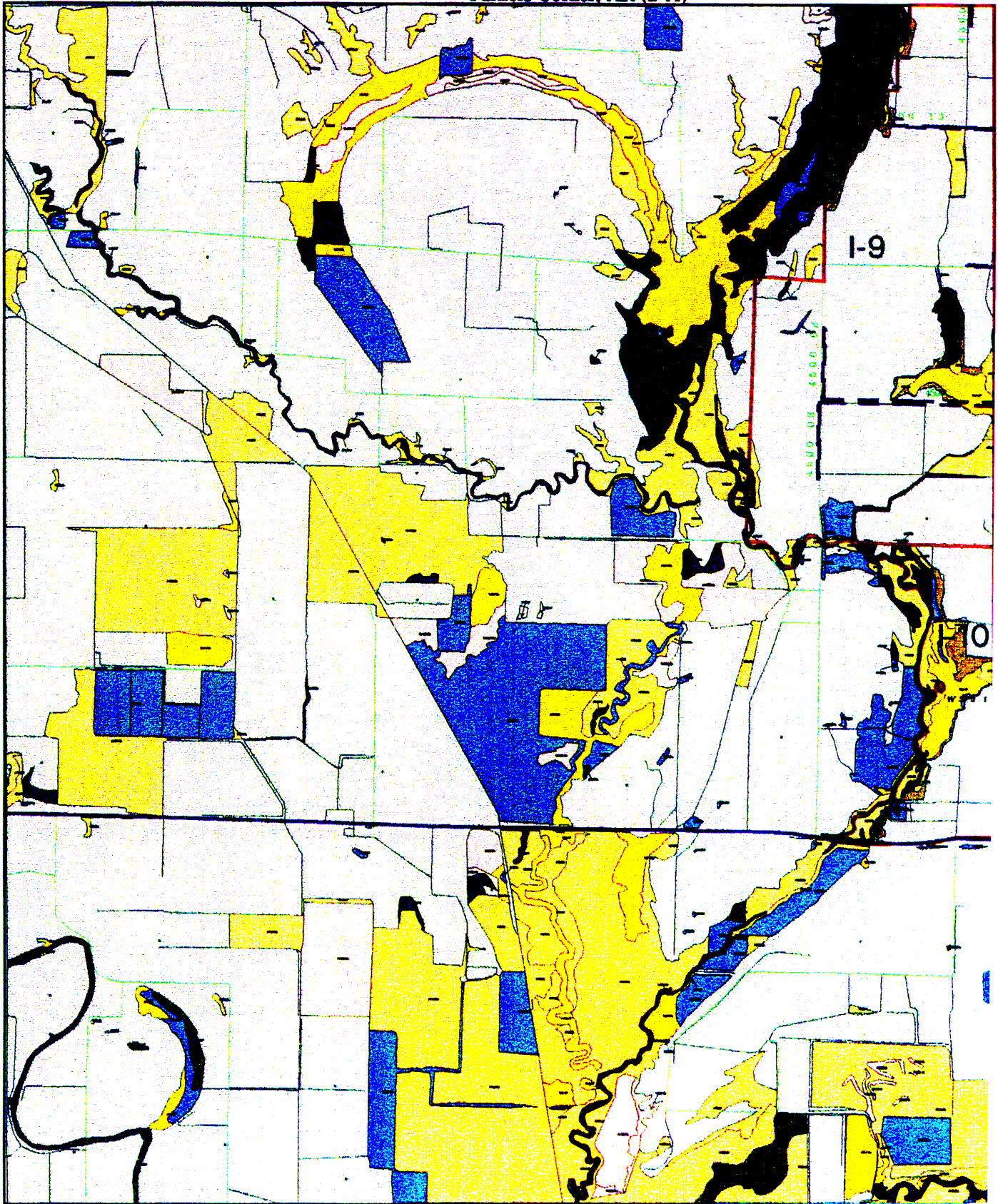
Ulm, AR (3-C)



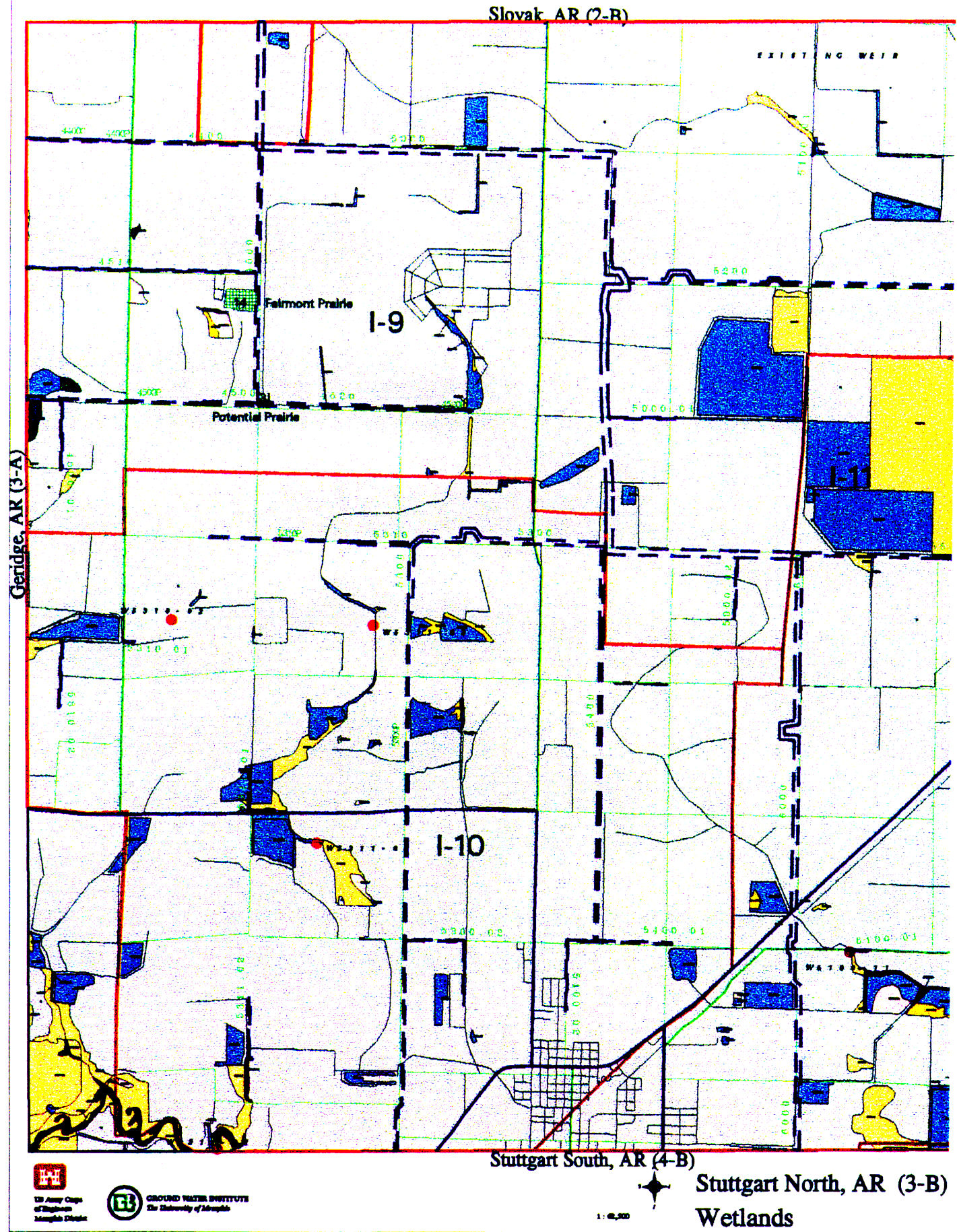
**Roe, AR (2-C)**  
**Wetlands**



Parkers Corner, AR (2-A)



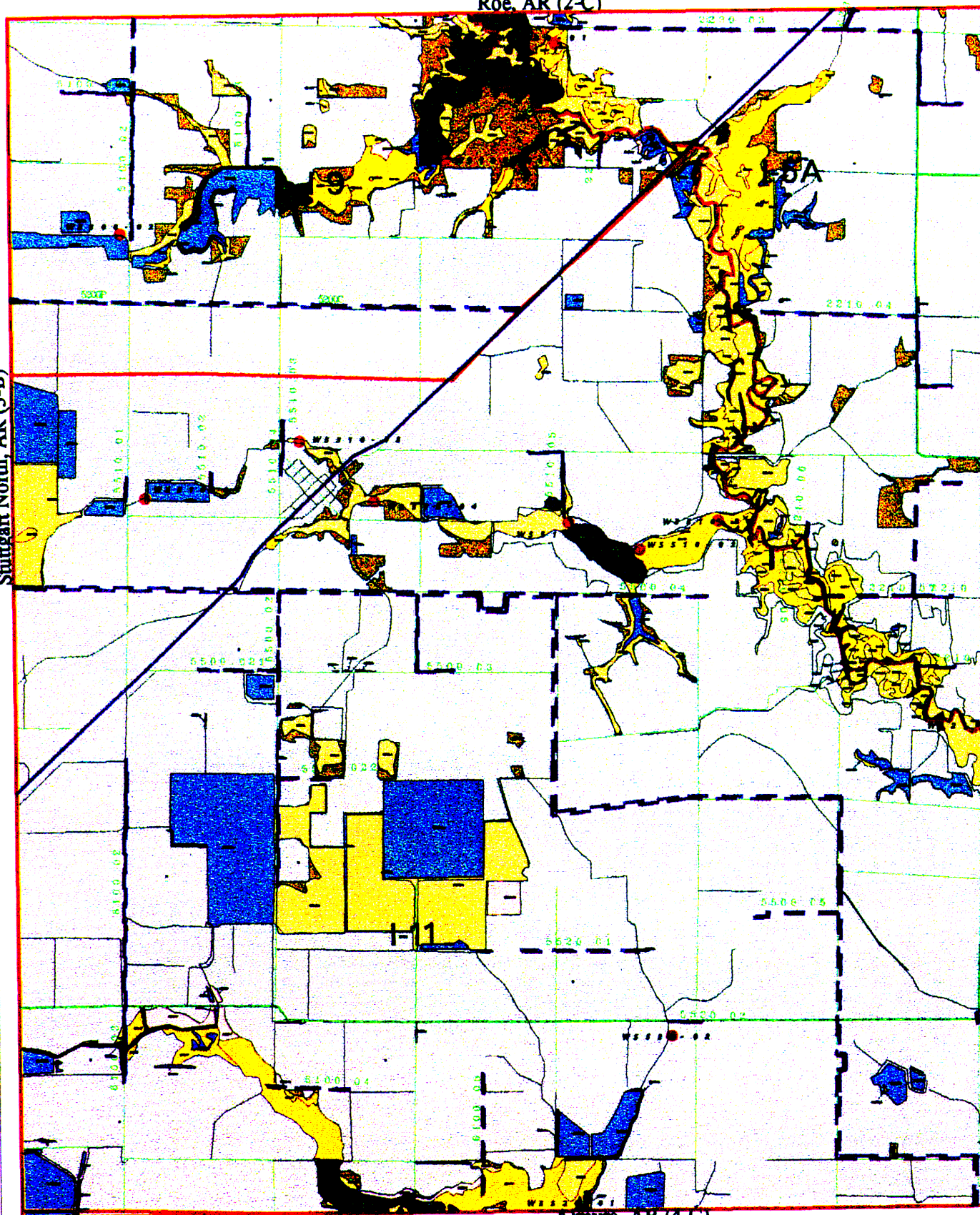






Shuttart North, AR (3-B)

Roe, AR (2-C)



Almyra, AR (4-C)

Ulm, AR (3-C)  
Wetlands



The Army Corps  
of Engineers  
Memphis District

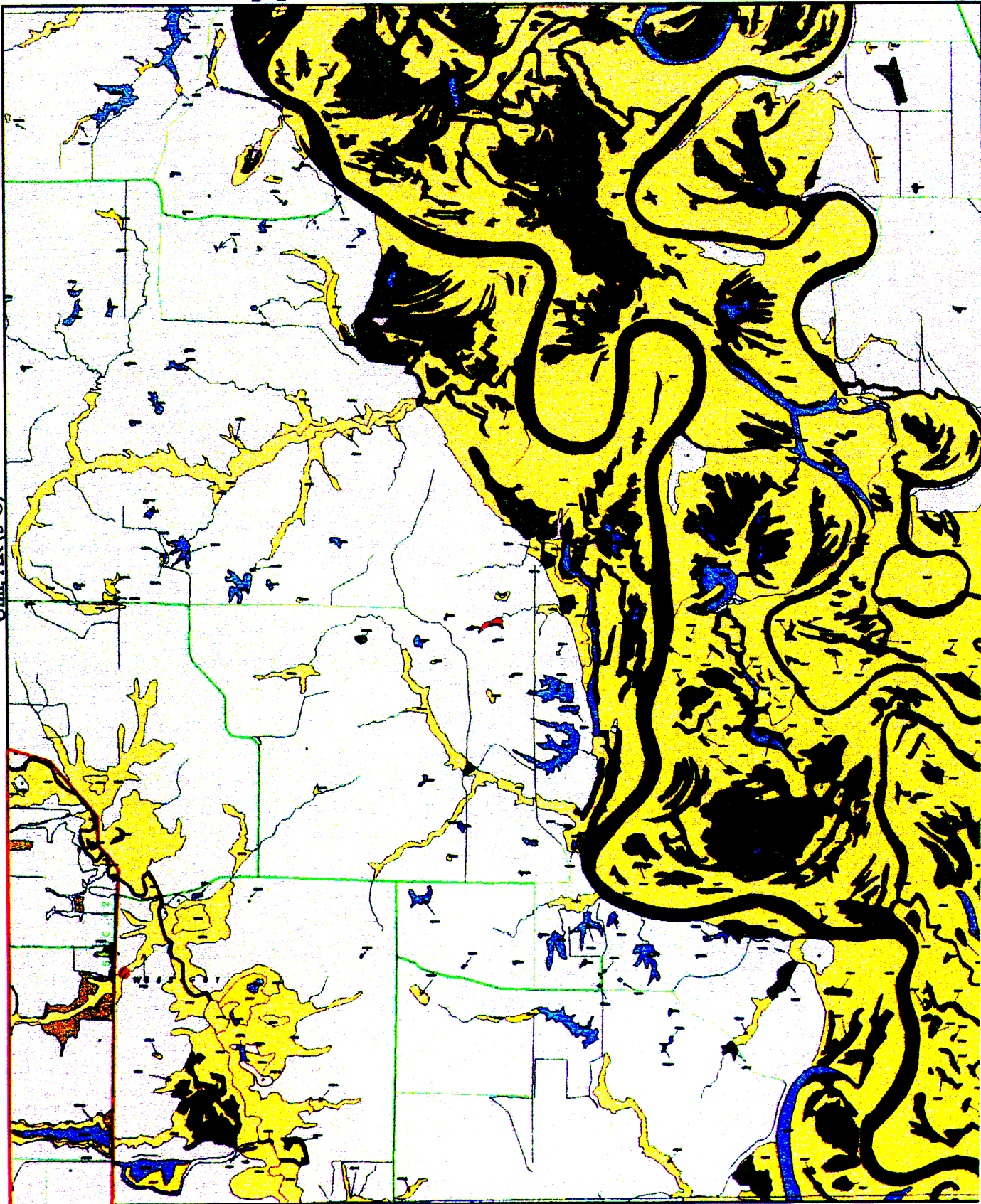


GROUND WATER INSTITUTE  
The University of Memphis

1: 62,500



Ulm, AR (3-C)



DeWitt NE, AR (4-D)



Aberdeen, AR (3-D)

Wetlands



US Army Corps  
of Engineers  
Memphis District

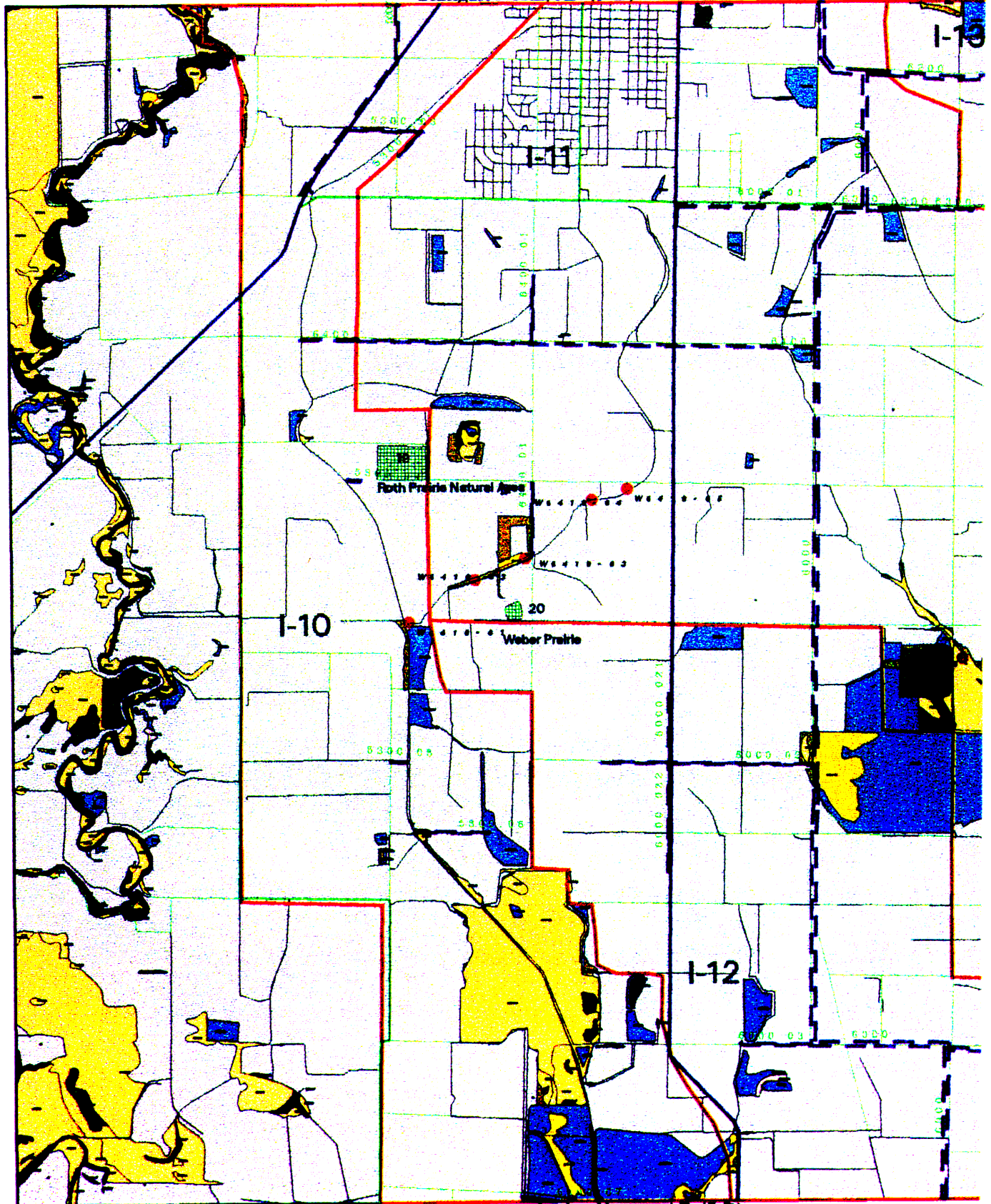


GROUND WATER INSTITUTE  
The University of Memphis

1 : 60,000



Stuttgart North, AR (3-B)



I-10

Roth Prairie Natural Area

Weber Prairie

I-12

Lodge Corner, AR (5-B)

Stuttgart South, AR (4-E)  
Wetlands



US Army Corps  
of Engineers  
Vicksburg District



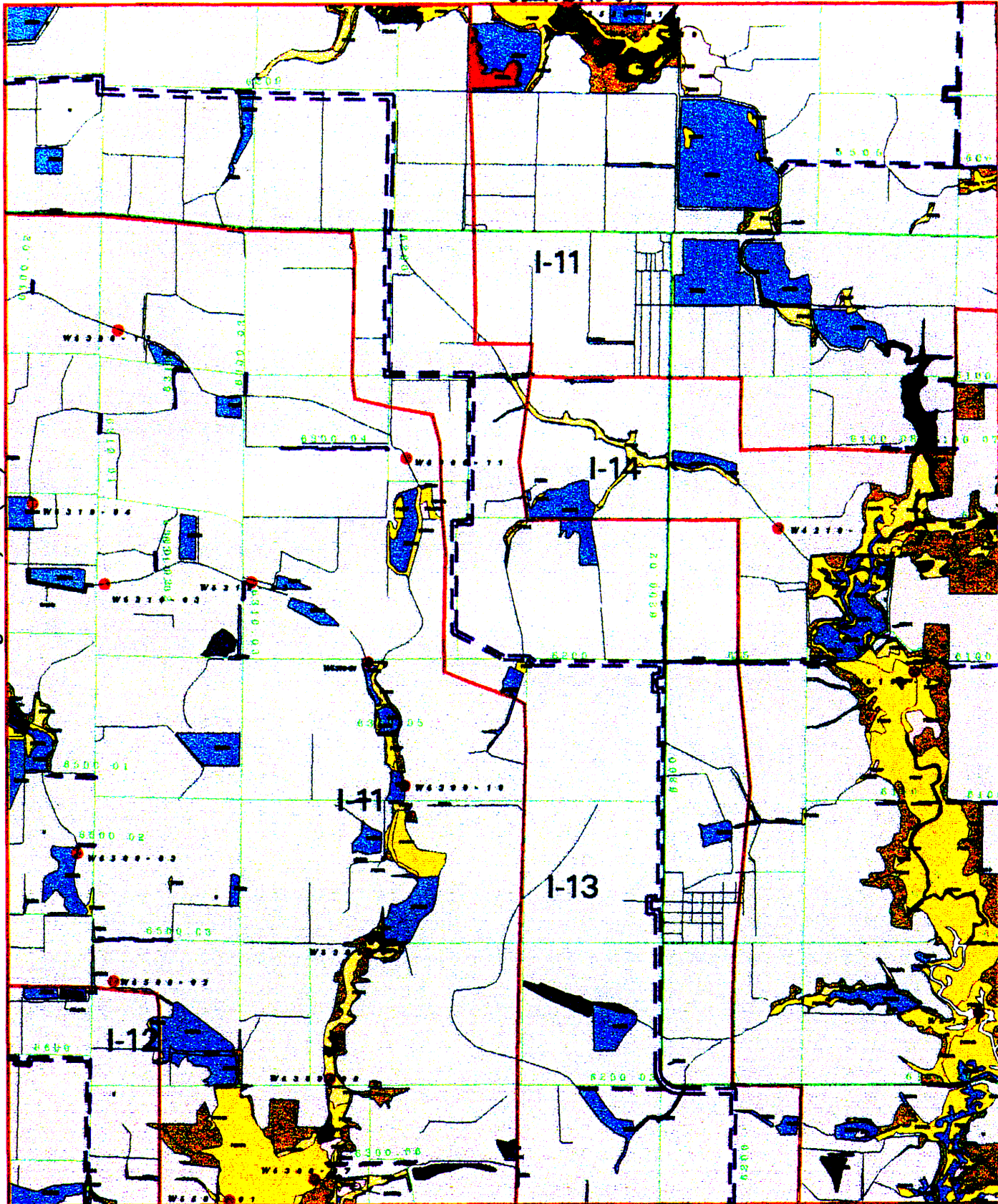
GROUND WATER INSTITUTE  
The University of Memphis

1/4 mile



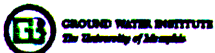
Sturgart Soun, AR (4-B)

Ulm, AR (3-C)



DeWitt SW, AR (5-C)

Almyra, AR (4-C)  
Wetlands

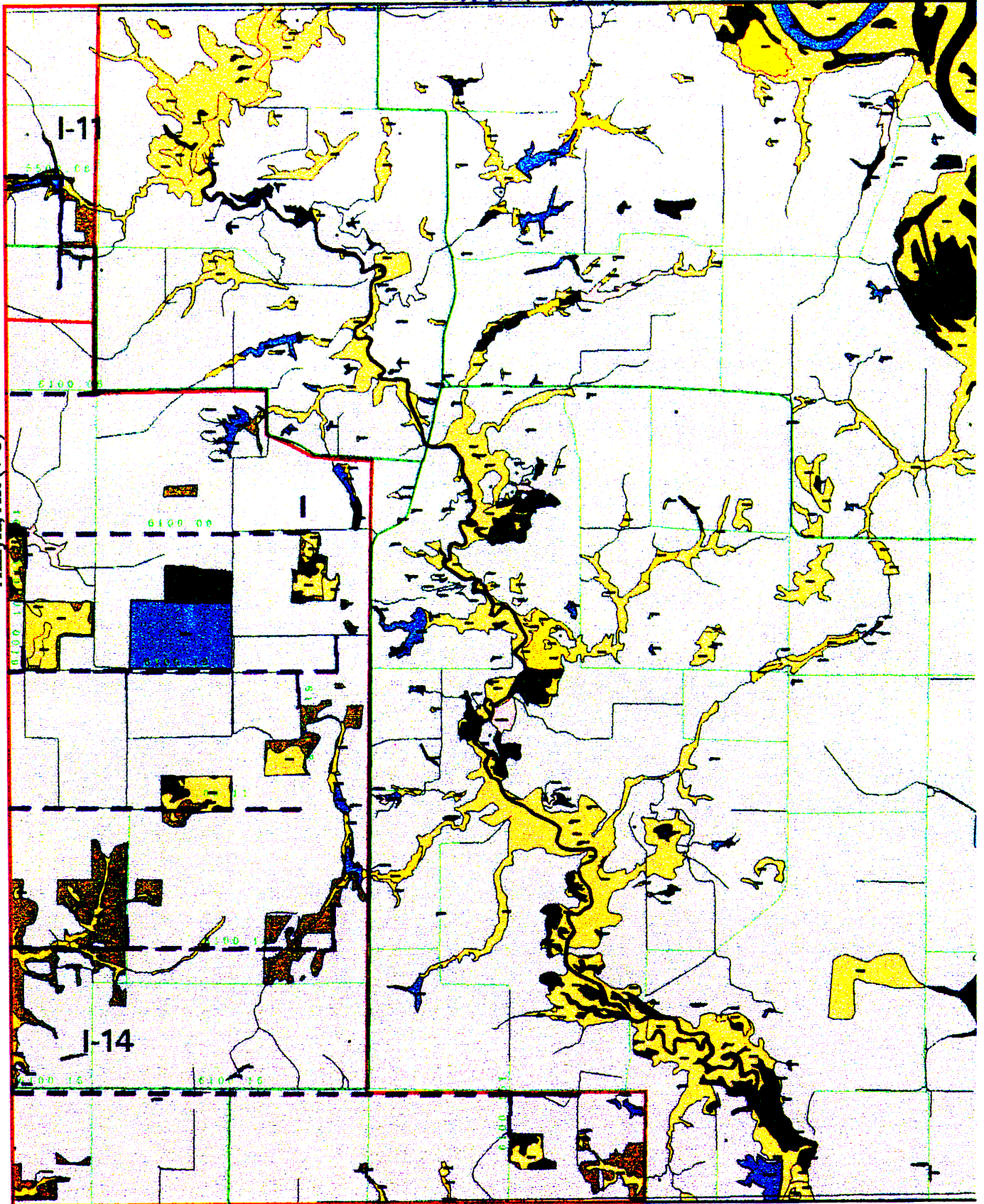


1:6,500



Aberdeen, AR (3-D)

Almyra, AR (4-C)



DeWitt SE, AR (5-D)

Dewitt NE, AR (4-D)  
Wetlands



US Army Corps  
of Engineers  
Memphis District

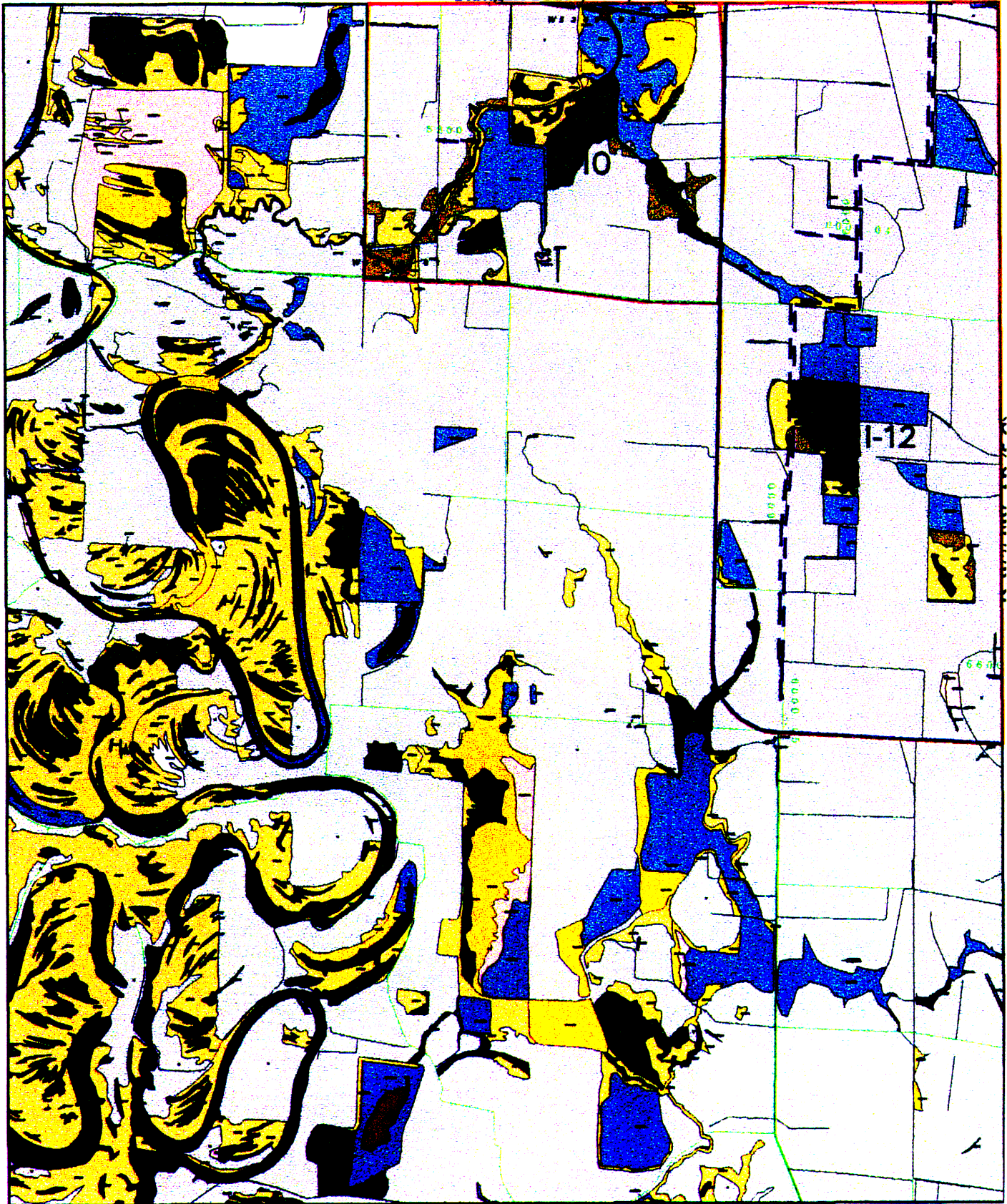


GROUND WATER INSTITUTE  
The University of Memphis

1: 60,000



Stuttgart South, AR (4-B)



US Army Corps  
of Engineers  
Memphis District



GROUND WATER INSTITUTE  
The University of Memphis



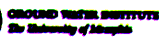
Lodge Corner, AR (5-B)  
Wetlands

1:6,500





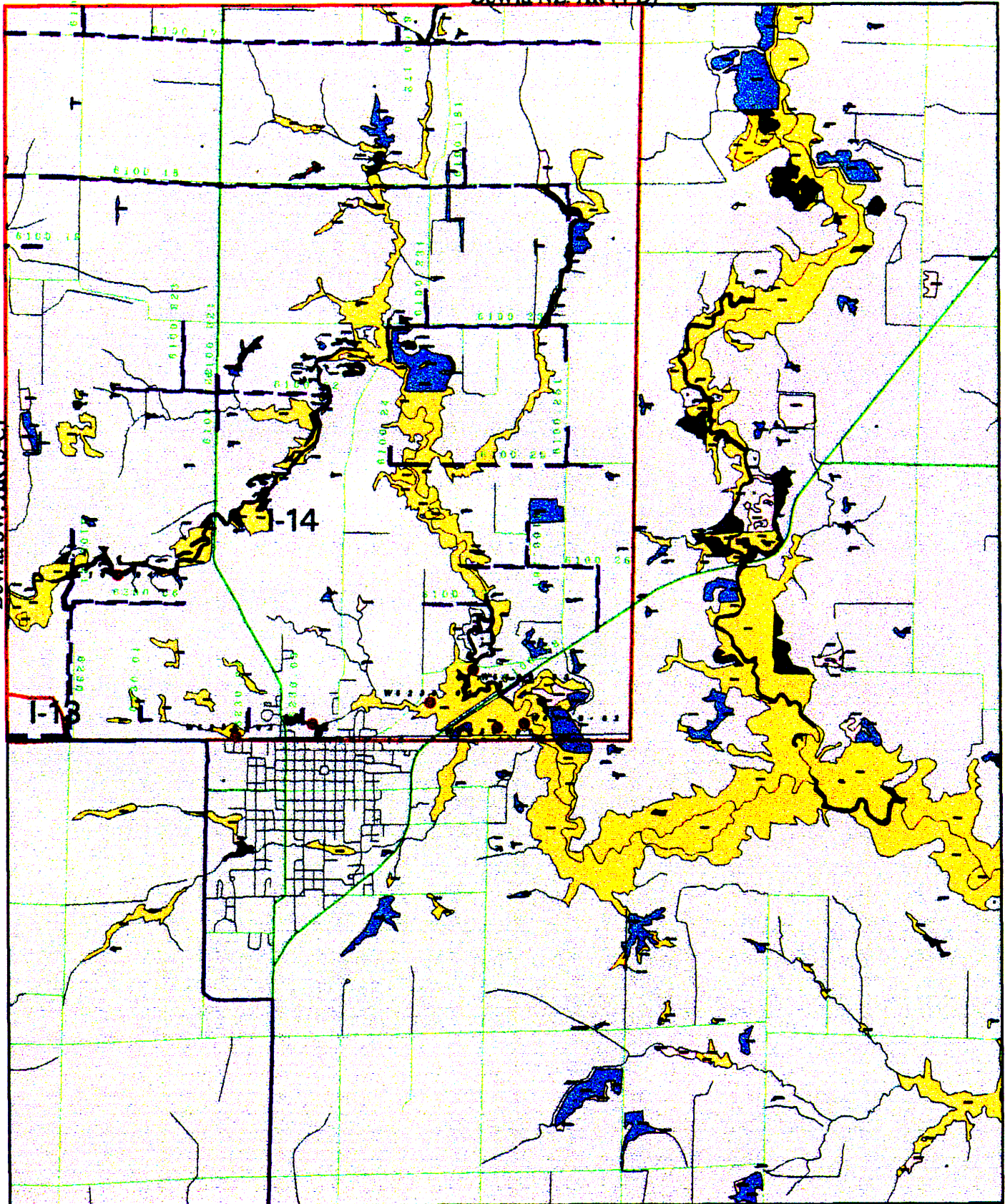
**The Army Corps  
of Engineers  
Memphis District**



1 : 42,500



DeWitt SW, AR (5-C)



**The Army Corps  
of Engineers  
Memphis District**



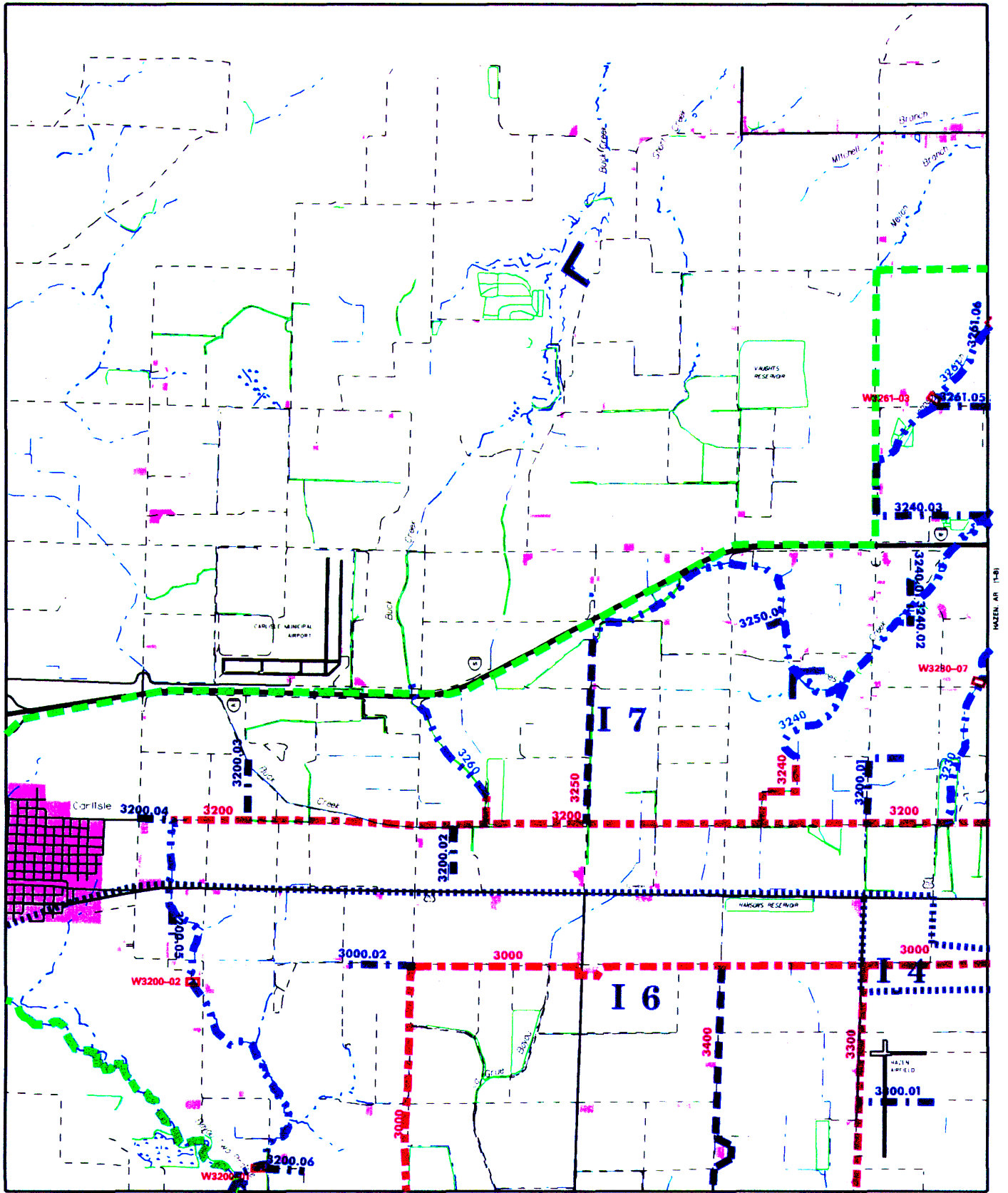
**GROUND WATER INSTITUTE**  
The University of Memphis



**Dewitt SE, AR (5-D)**  
**Wetlands**

1 : 62,500





PARKERS CORNER, AR. (2-A)

LEGEND

- DEMONSTRATION PROJECT BOUNDARY
- NEW CANAL
- EXISTING CHANNEL
- PIPE LINE
- ITEM BOUNDARIES

SCALE: 1"=100'



CARLISLE, AR. (1-A)

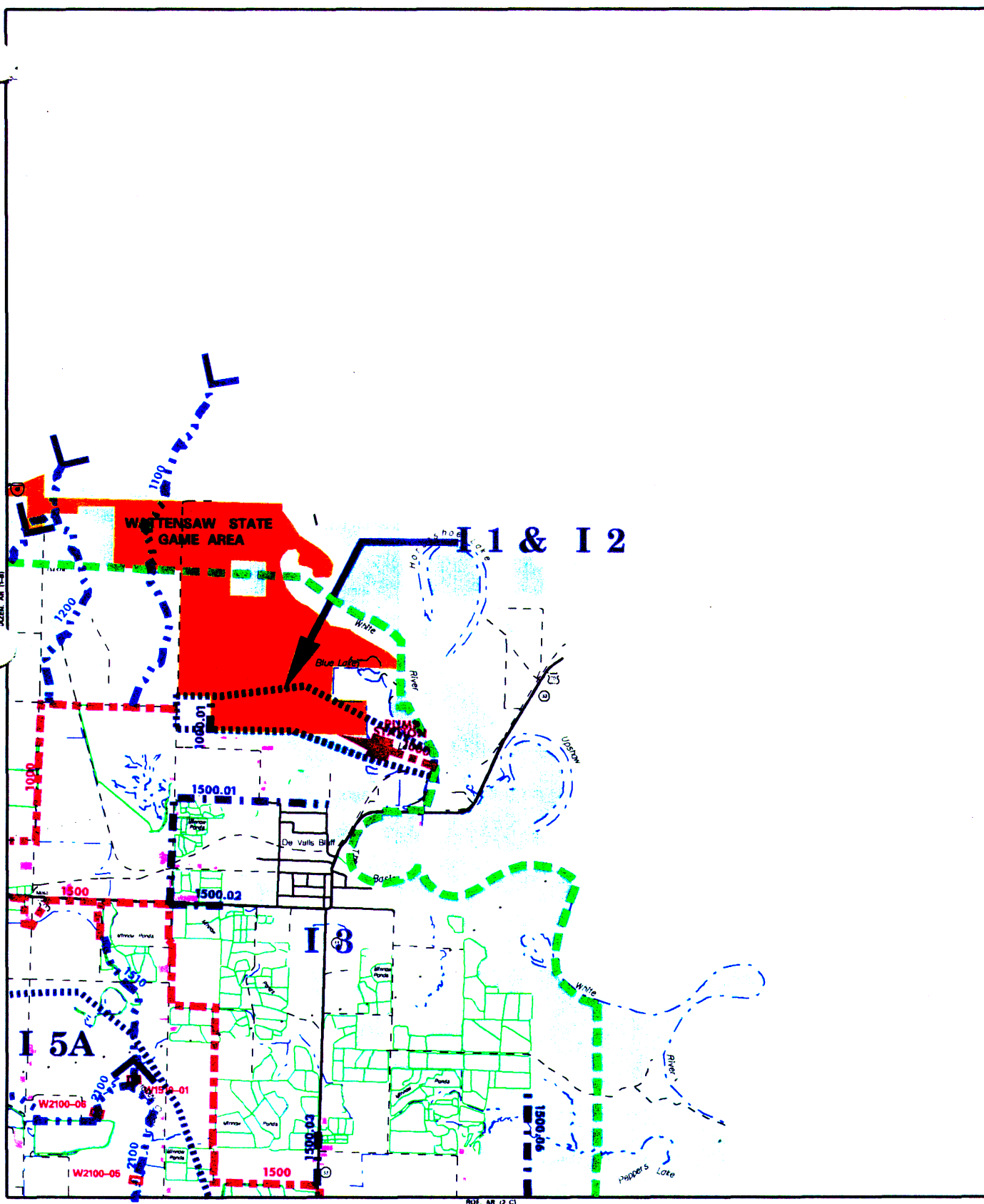
WEIRS

US Army Corps  
of Engineers  
Memphis District









US Army Corps  
of Engineers  
Memphis District

LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 ITEM BOUNDARIES  
 MAJOR PUMPING STATION

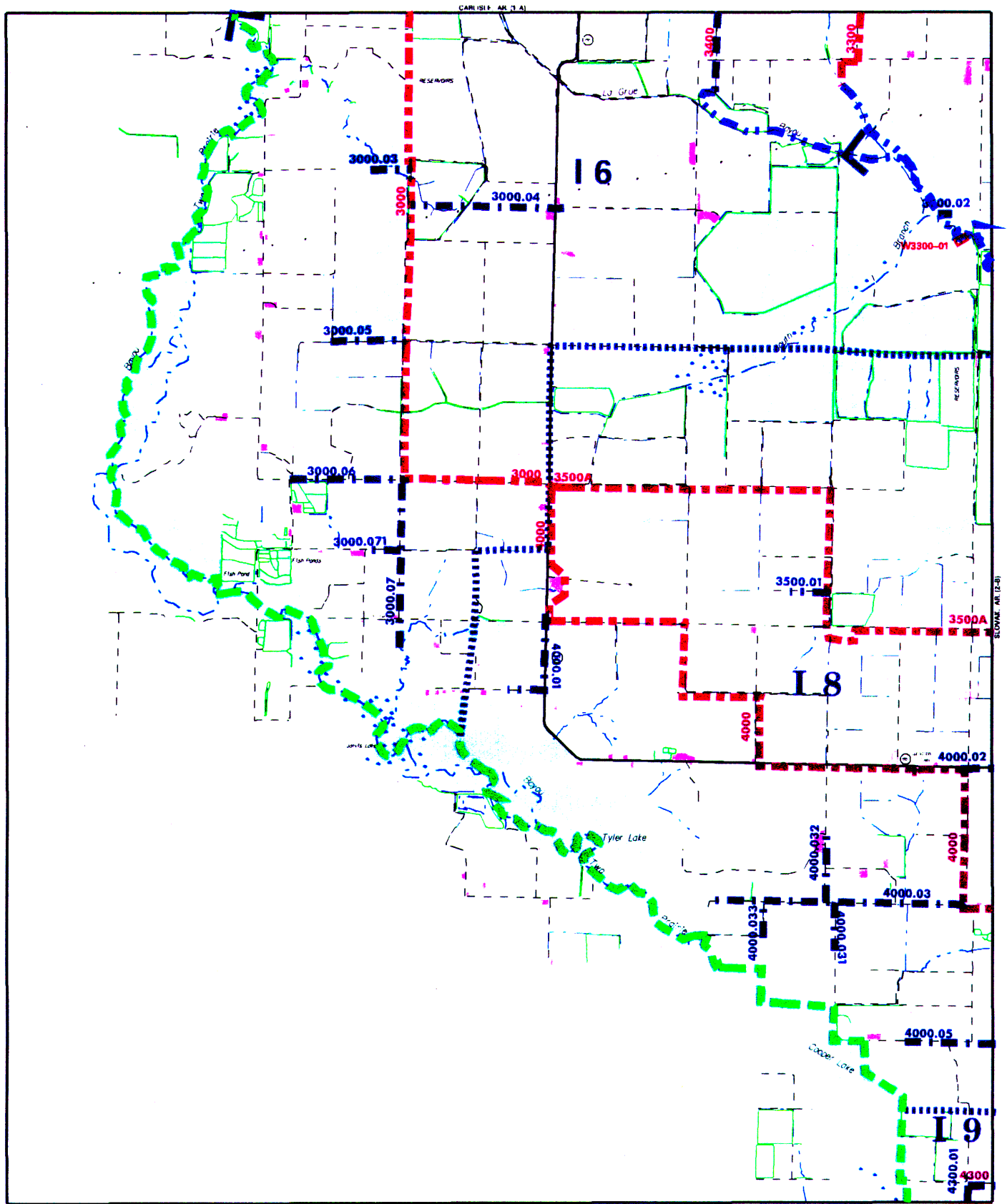
SCALE 1:62500



DeVALLS BLUFF SW, AR (1-C)

WEIRS





  
 US Army Corps  
 of Engineers  
 Memphis District

LEGEND  
 ■ DEMONSTRATION PROJECT BOUNDARY  
 ■ NEW CANAL  
 ■ EXISTING CHANNEL  
 ■ PIPELINE  
 ■ TLM BOUNDARIES

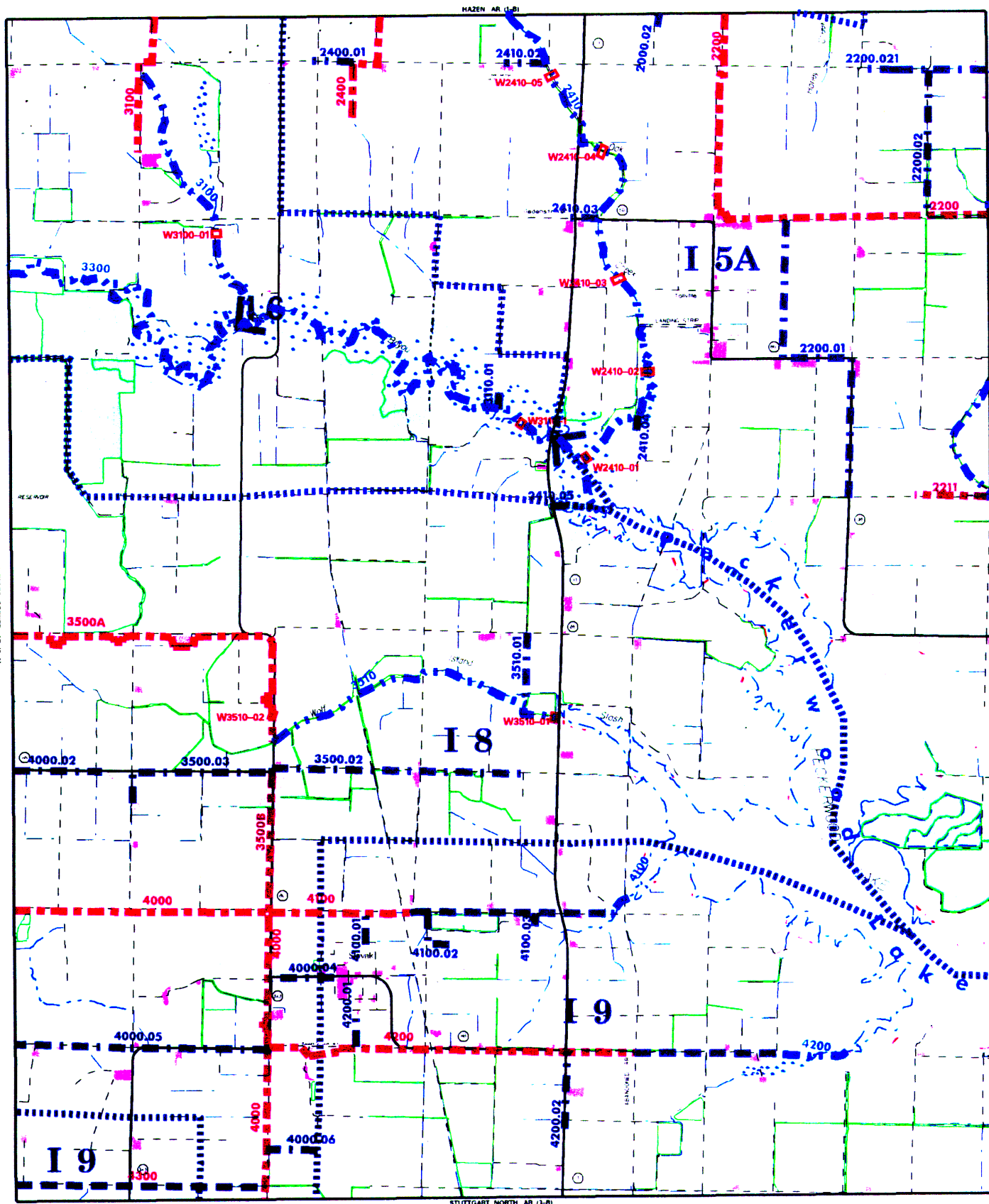
SCALE: 1"=62500'



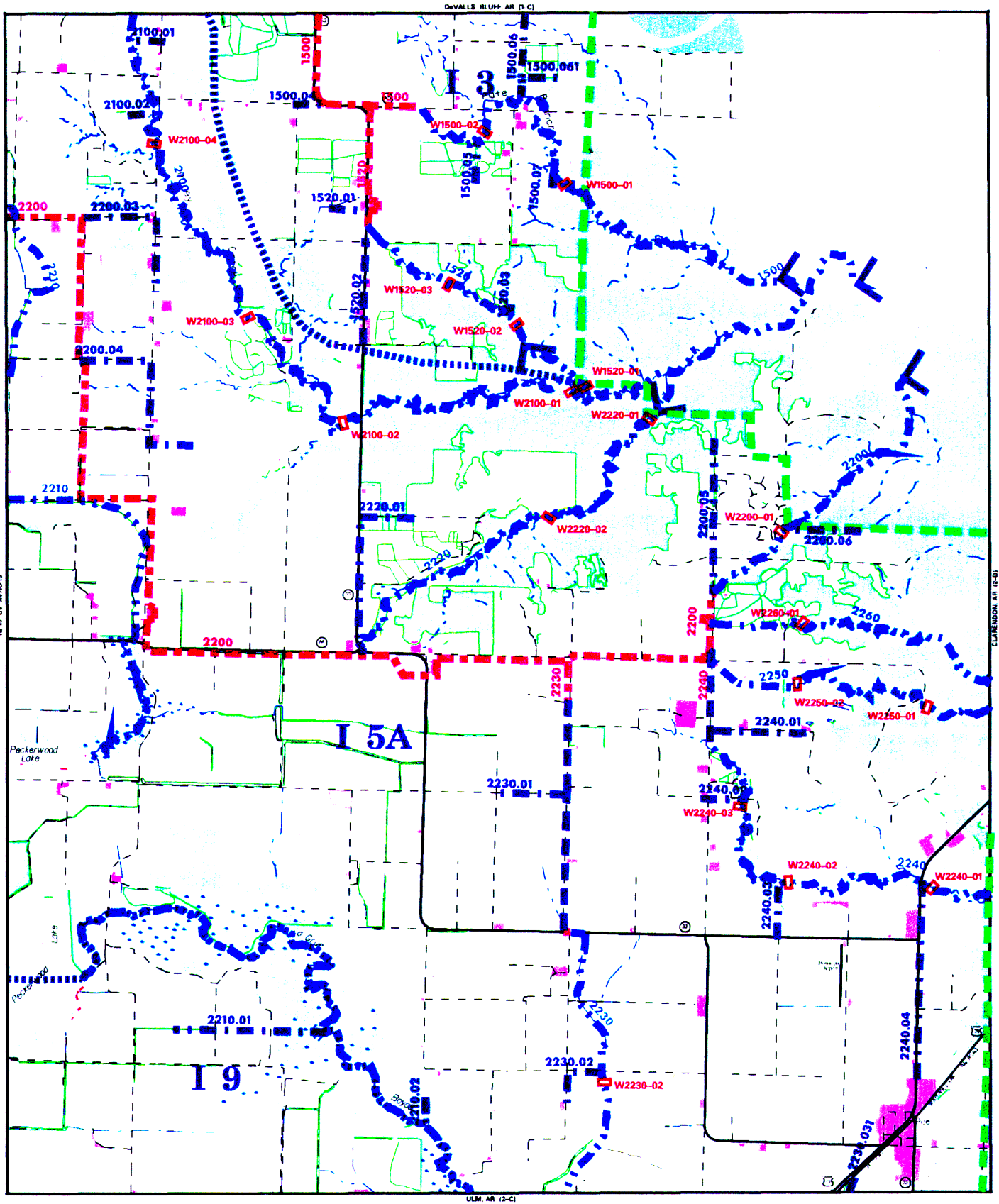
PARKERS CORNER, AR. (2-A)

WEIRS









US Army Corps  
of Engineers  
Memphis District

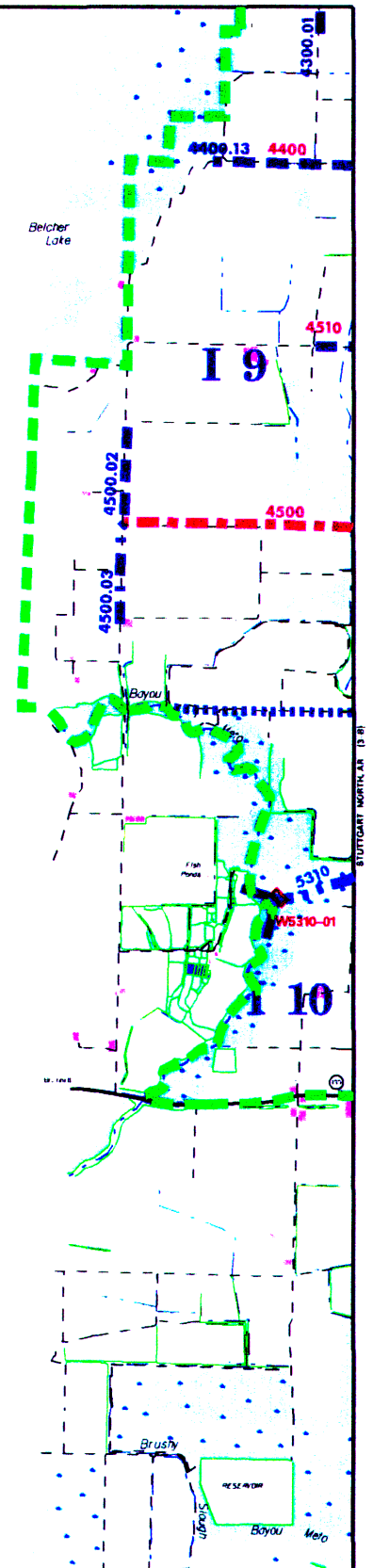
LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 TEMP. BOUNDARIES

SCALE 1"=500'



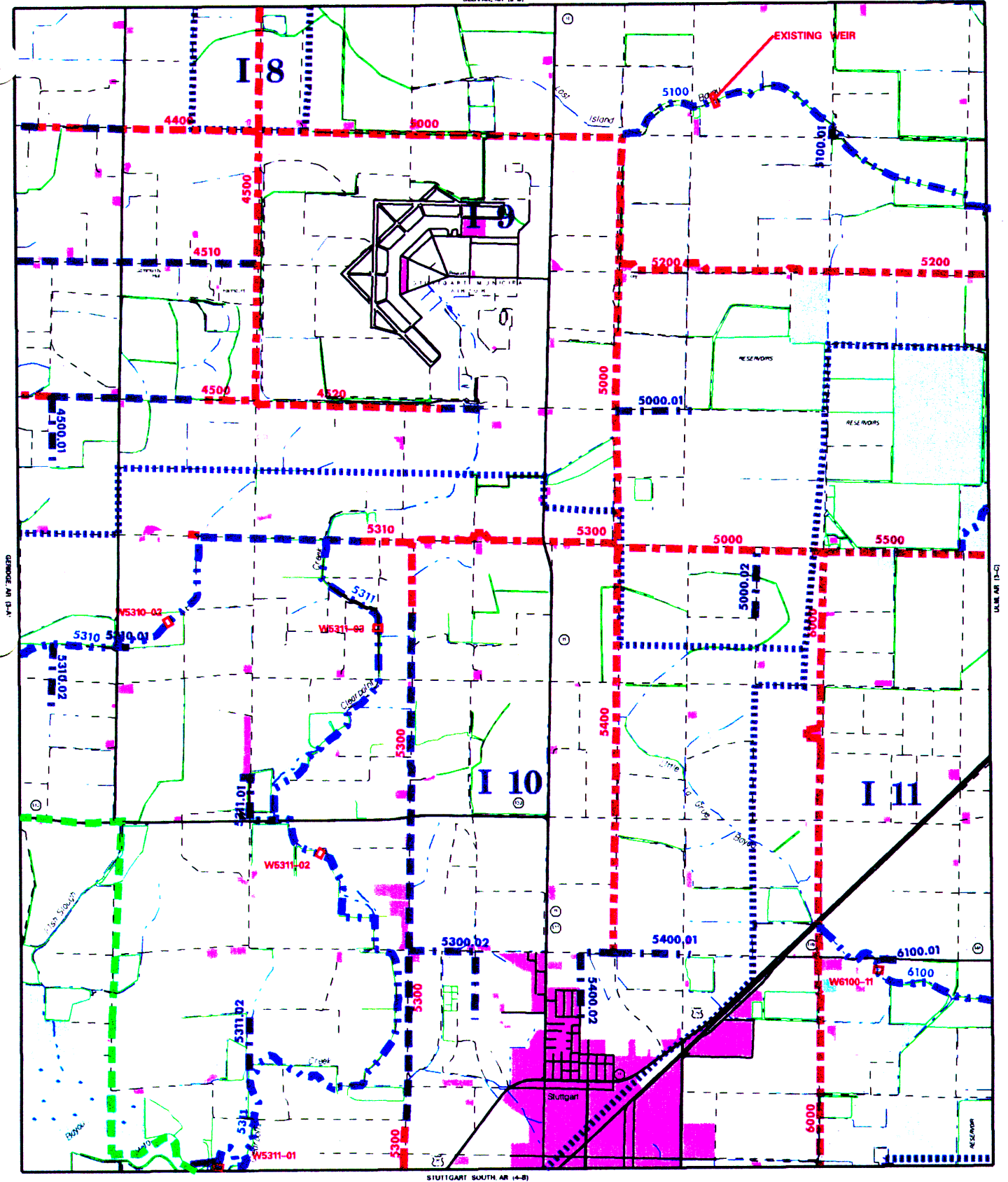
ROE AR (2-C)  
WEIRS





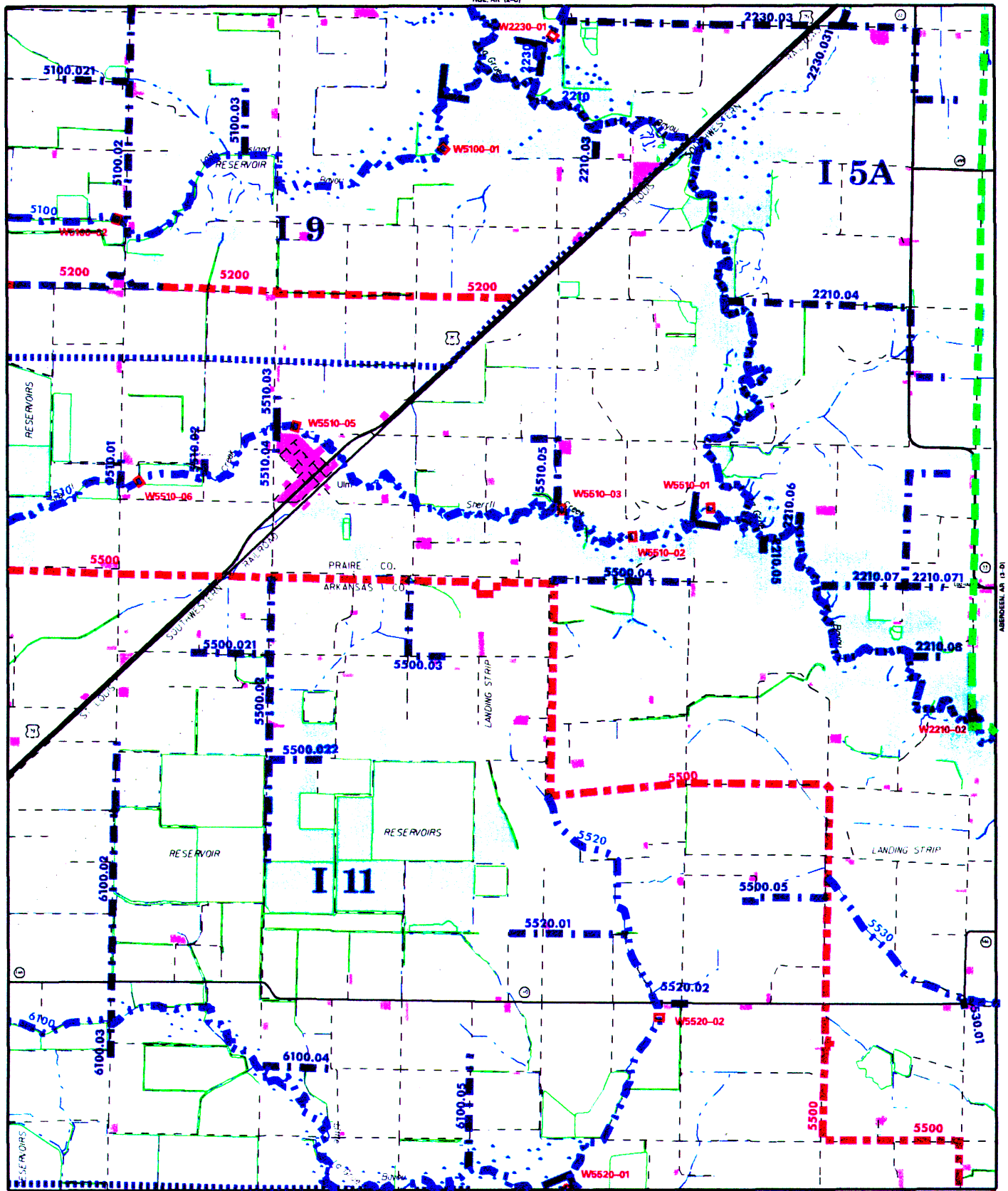


SLOVAK, AR (2-B)






ROE, AR (2-C)





US Army Corps  
of Engineers  
Memphis District



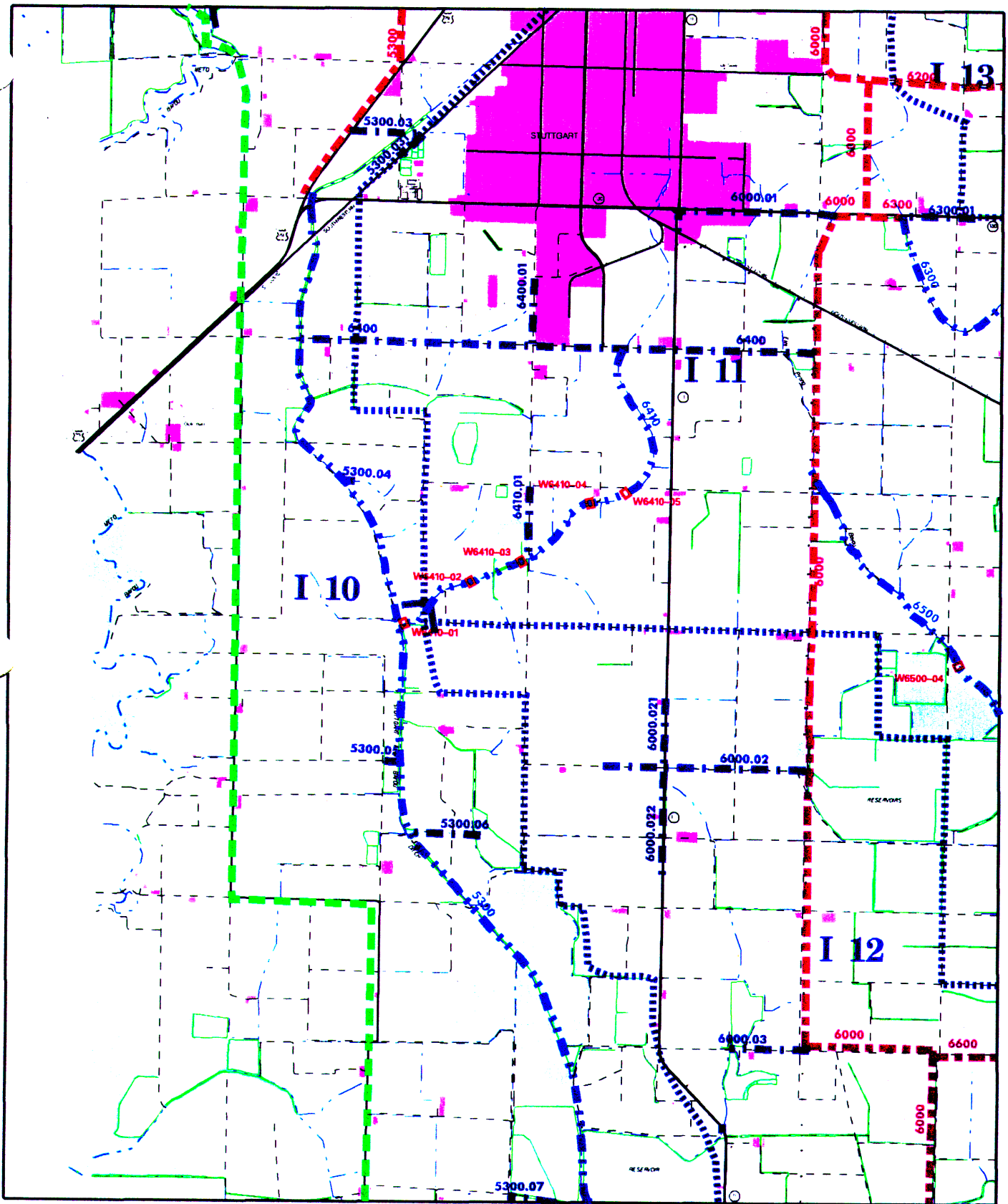


 DEMONSTRATION  
 PROJECT BOUNDARY  
 NEW CANAL

 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES

## WEIRS





LODGE CORNER, AR (5-B)



US Army Corps  
of Engineers  
Memphis District

LEGEND

<span style="color: green;">■</span> DEMONSTRATION PROJECT BOUNDARY	<span style="color: blue;">■</span> EXISTING CHANNEL
<span style="color: red;">■</span> NEW CANAL	<span style="color: blue;">■</span> PIPELINE
	<span style="color: blue;">■</span> ITEM BOUNDARIES

SCALE 1:62500



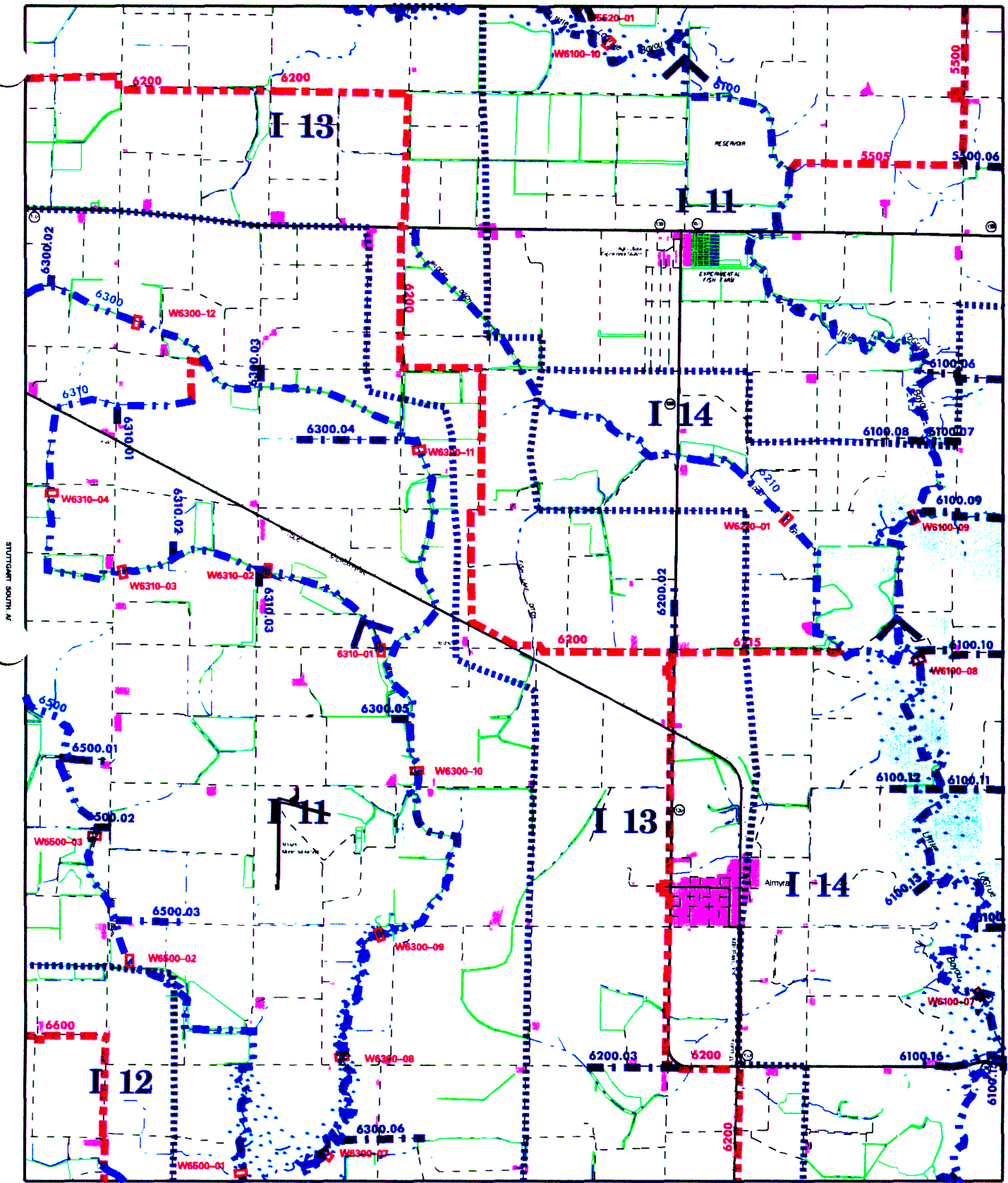
STUTT GART SOUTH, AR (4-B)

WEIRS

ALUMINUM AR (4-C)



UTM, AR (3-C)



US Army Corps  
of Engineers  
Memphis District

- LEGEND
- DEMONSTRATION PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - TEM BOUNDARIES

SCALE 1:62500

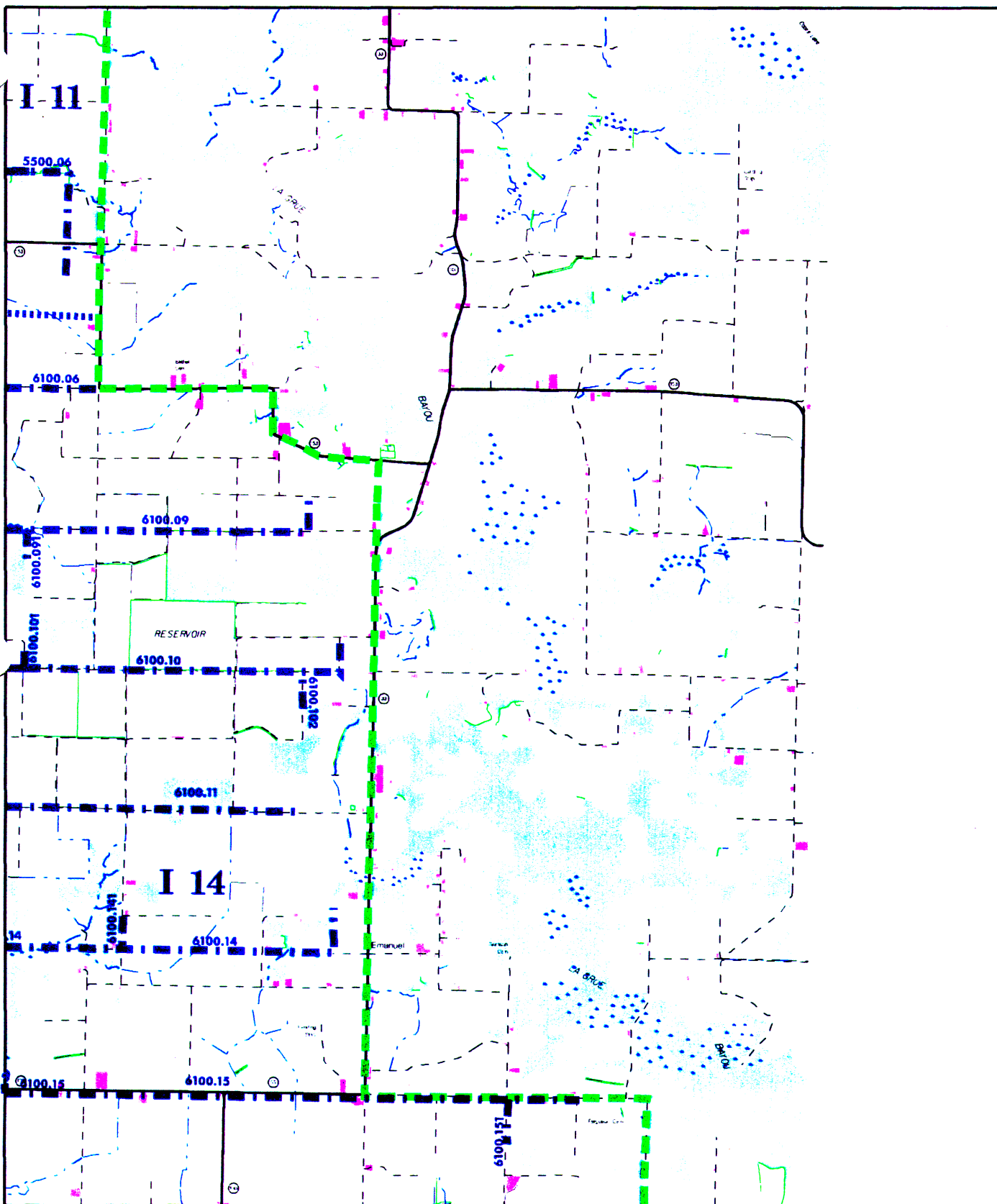


ALMYRA, AR (4-C)

WEIRS



ABERDEEN, AR. (3-D)



DeWITT, AR. (5-D)

US Army Corps  
of Engineers  
Memphis District

LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 TEMP. BOUNDARIES

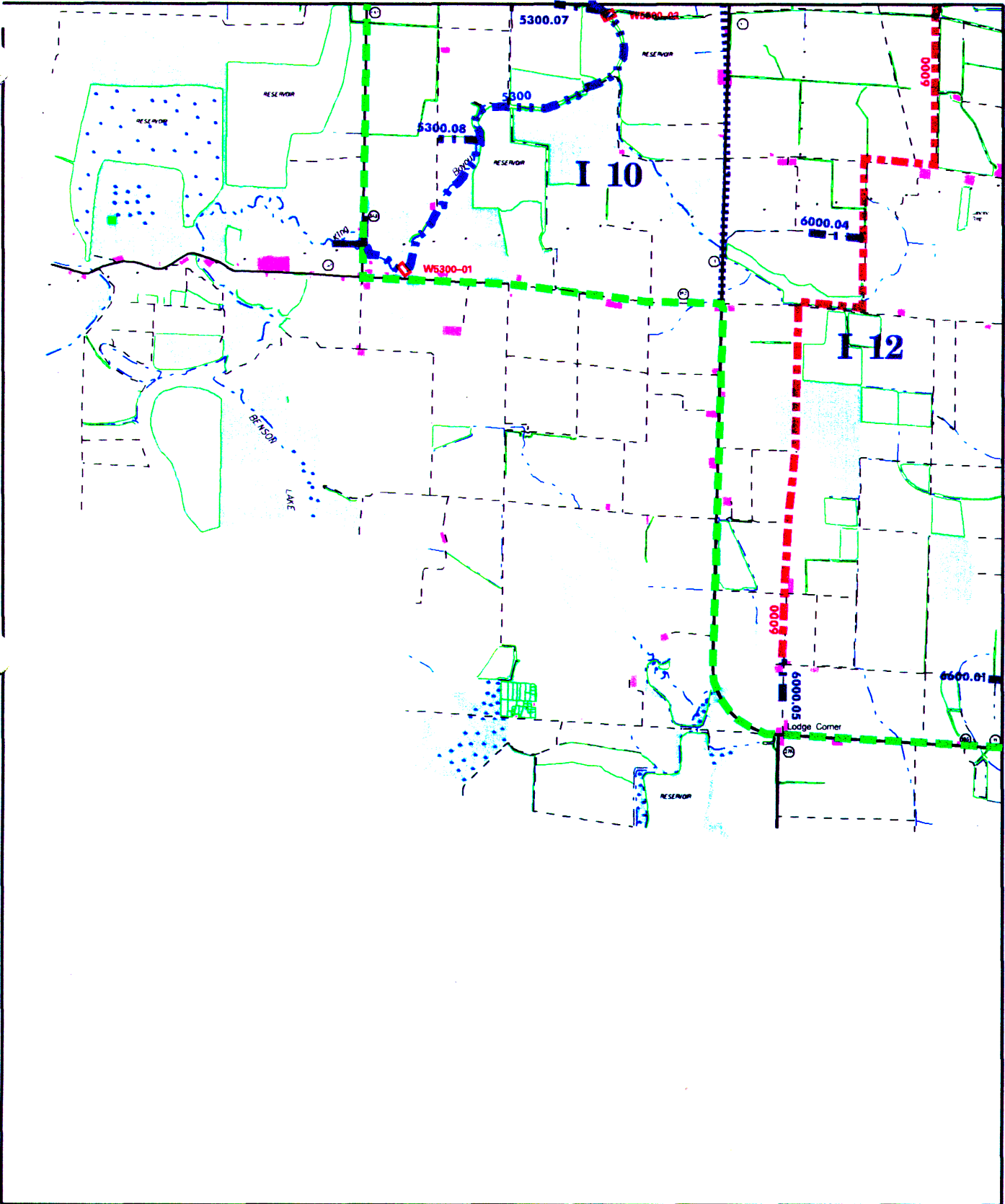
SCALE 1:62500



DeWITT NE, AR. (4-D)  
WEIRS



STUTTGART SOUTH, AR (4-B)



OWITT SW, AR (5-C)



US Army Corps  
of Engineers  
Memphis District

- LEGEND
- DEMONSTRATION PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - ITEM BOUNDARIES

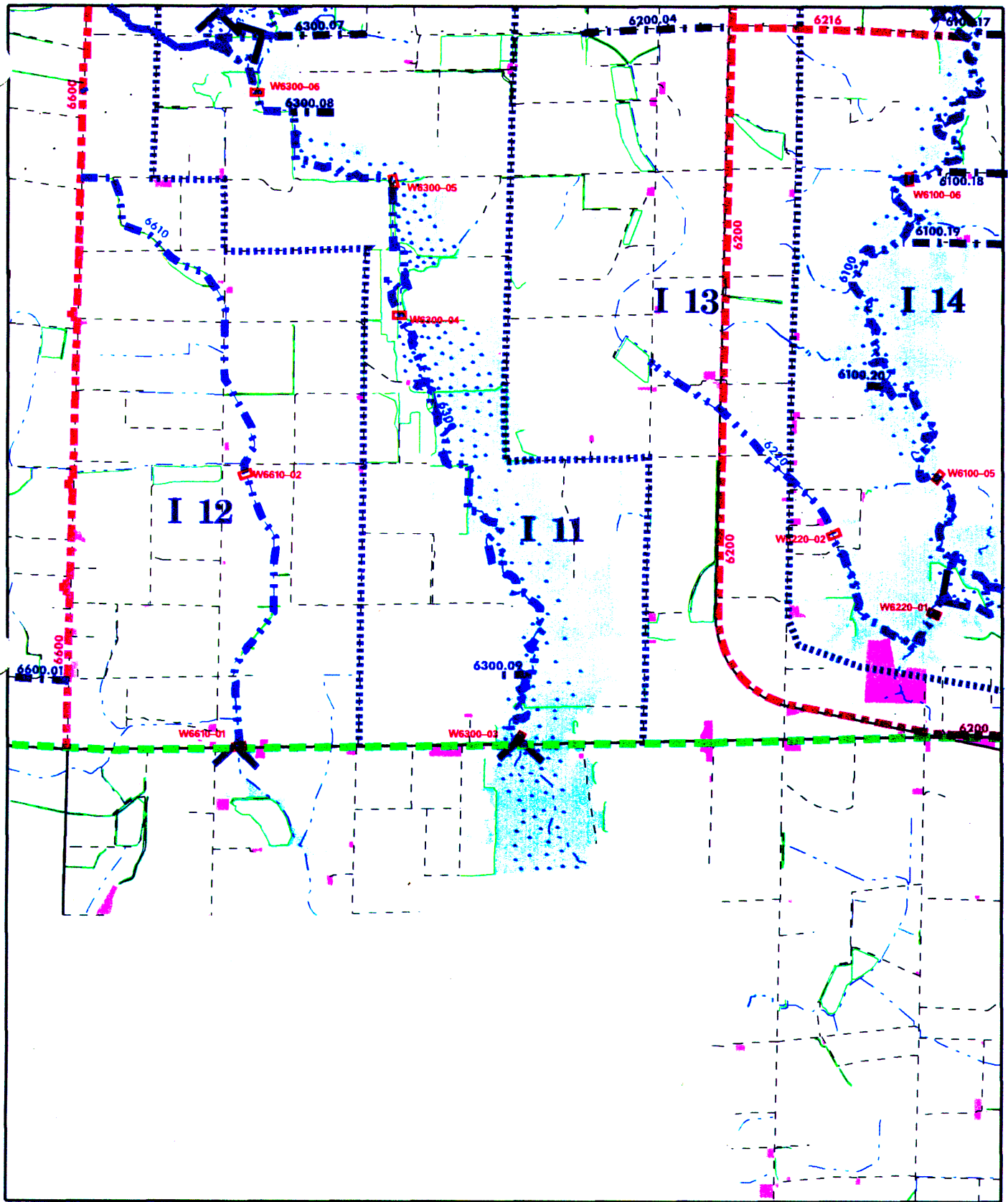
SCALE 1:62500



LODGE CORNER, AR (5-B)

WEIRS










LOOSE CORNER, AR

DeWITT, AR (5-D)

  
US Army Corps  
of Engineers  
Memphis District

LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES

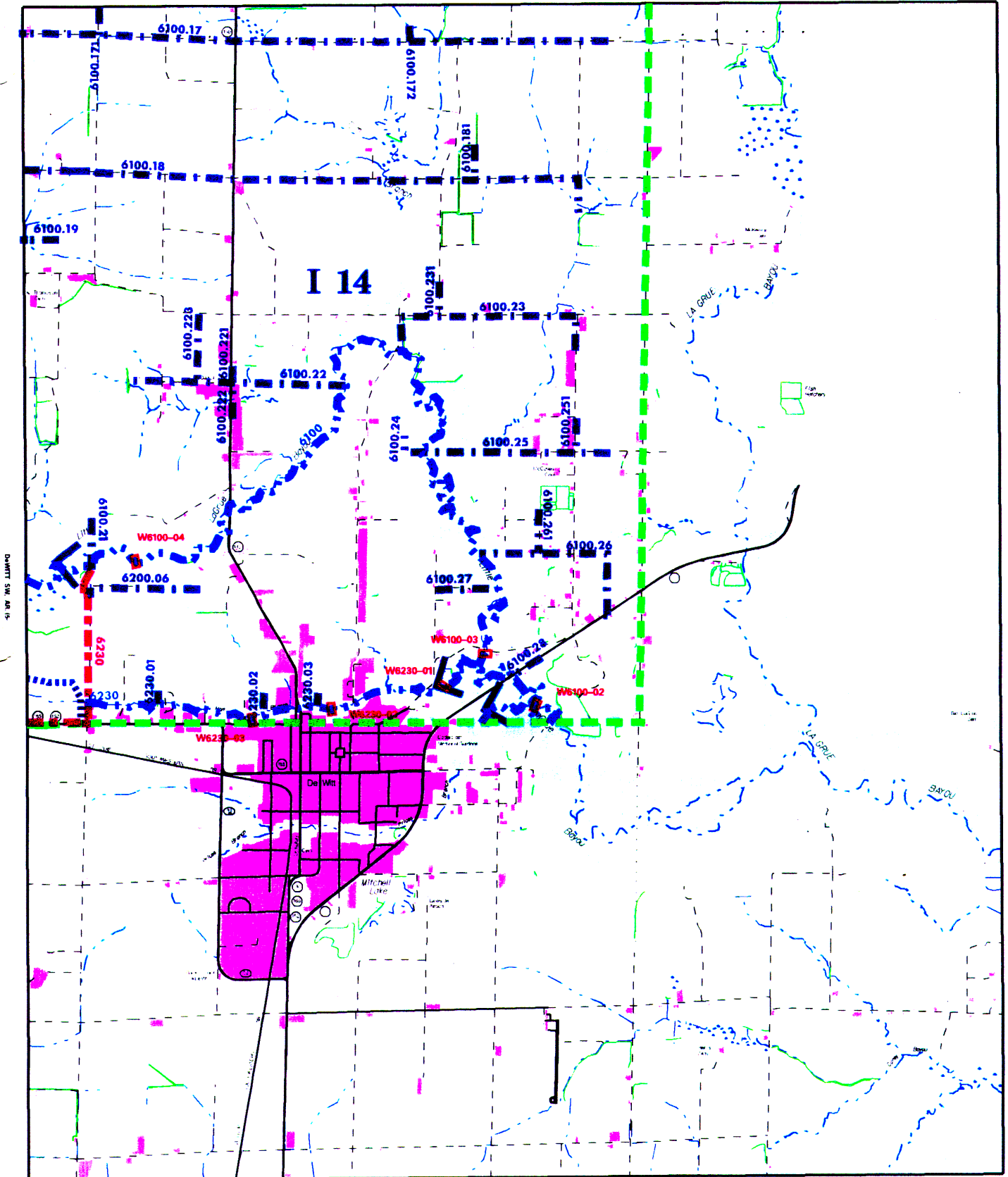
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DeWITT SW, AR (5-C)

WEIRS





DeWITT SW, AR (4-D)

US Army Corps  
of Engineers  
Memphis District

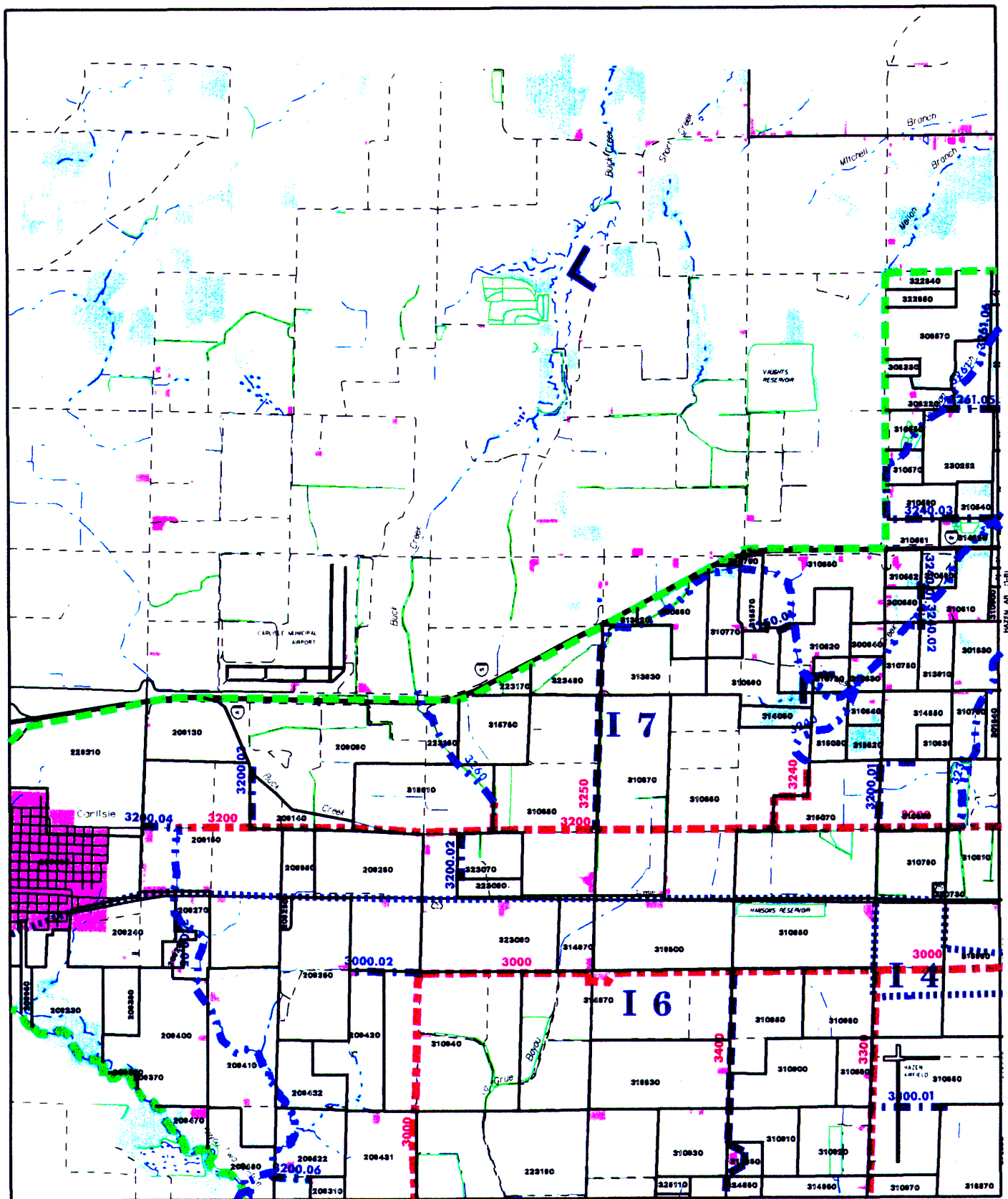
LEGEND  
 DEMONSTRATION PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PRELIMINARY CHANNEL  
 TEMP. BY NEARIES

SCALE 1:62500



DeWITT SE, AR. (5-D)  
 WEIRS





  
 US Army Corps  
 of Engineers  
 Memphis District

LEGEND  
 ■ DEMONSTRATION PROJECT BOUNDARY  
 ■ NEW CANAL  
 ■ EXISTING CHANNEL PIPELINE  
 ■ ITEM BOUNDARIES

SCALE: 1:62500



CARLISLE, AR. (1-A)

TRACTS





US Army Corps  
of Engineers  
Memphis District

LEGEND

-  DEMONSTRATION  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 PROJECT BOUNDARY  
 ITEM BOUNDARIES

SCALE 1:62500



HAZEN, AR (1-B)

## TRACTS

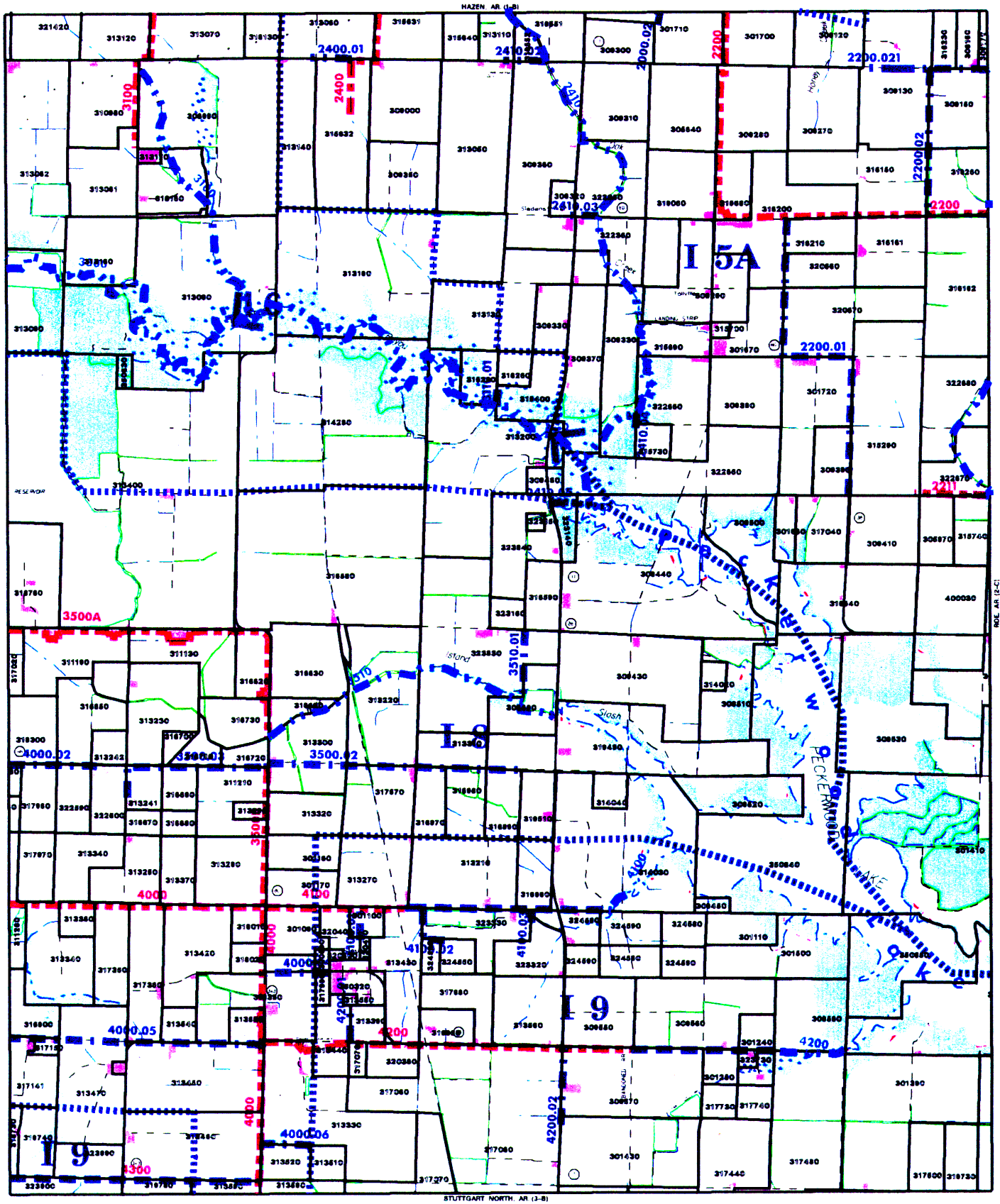












  
 U.S. Army Corps  
 of Engineers  
 Memphis District

DEMONSTRATION  
 PROJECT BOUNDARY  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 TEM. BOUNDARIES

SCALE 1"=600'



SLOVAK, AR. (2-B)  
 TRACTS

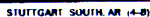












**US Army Corps  
of Engineers  
Memphis District**

LEGEND

- EXISTING CHANNEL
- PIPELINE
- ITEM BOUNDARIES



STUTTGART NORTH, AR (3-B)

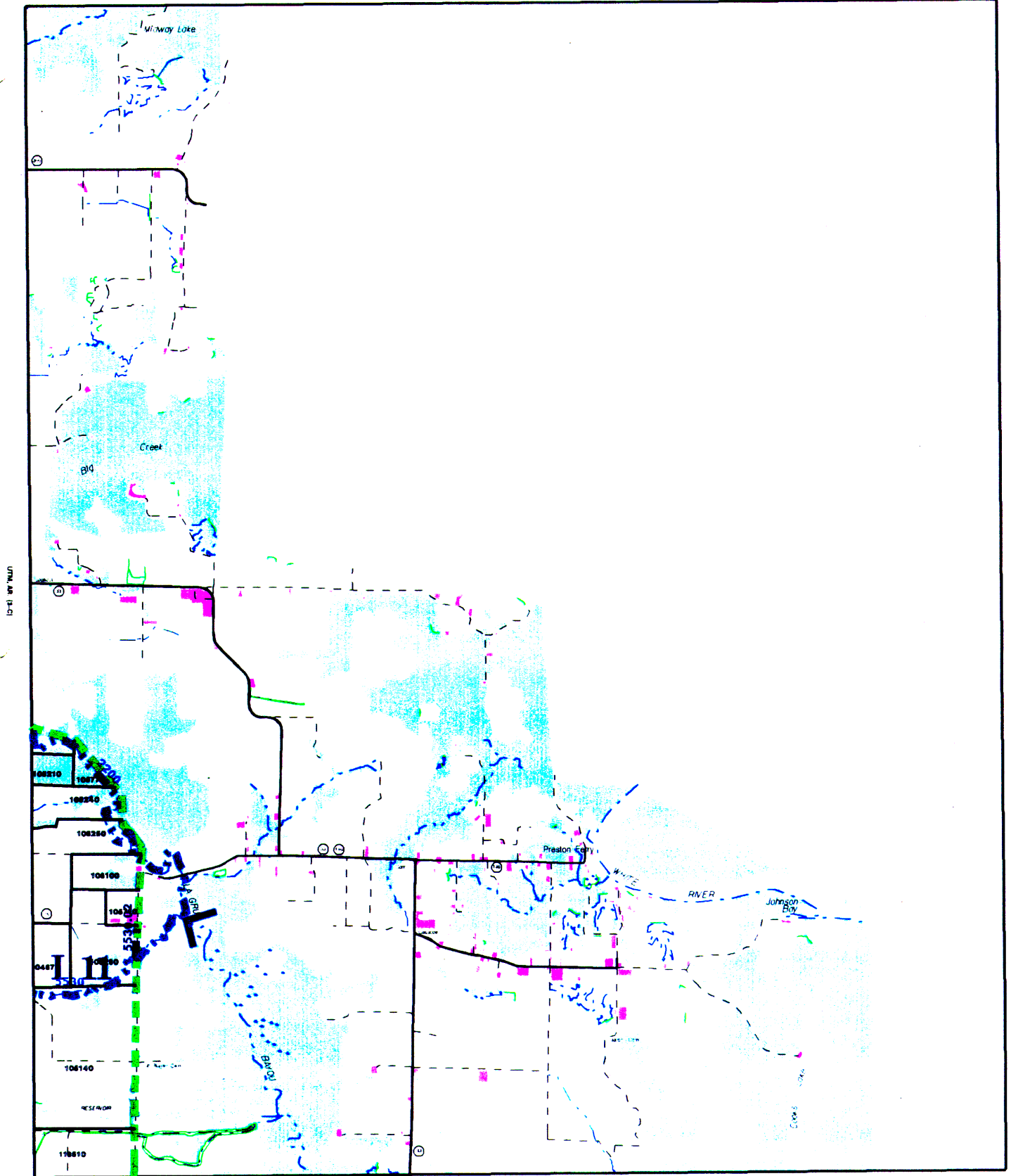
## TRACTS

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


## TRACTS





  
**US Army Corps  
 of Engineers**  
 Memphis District

 DEMONSTRATION  
 PROJECT BOUNDARY  
 NEW CANAL

LEGEND  
 EXISTING CHANNEL  
 PIPELINE  
 ILM BOUNDARIES

SCALE 1:1250

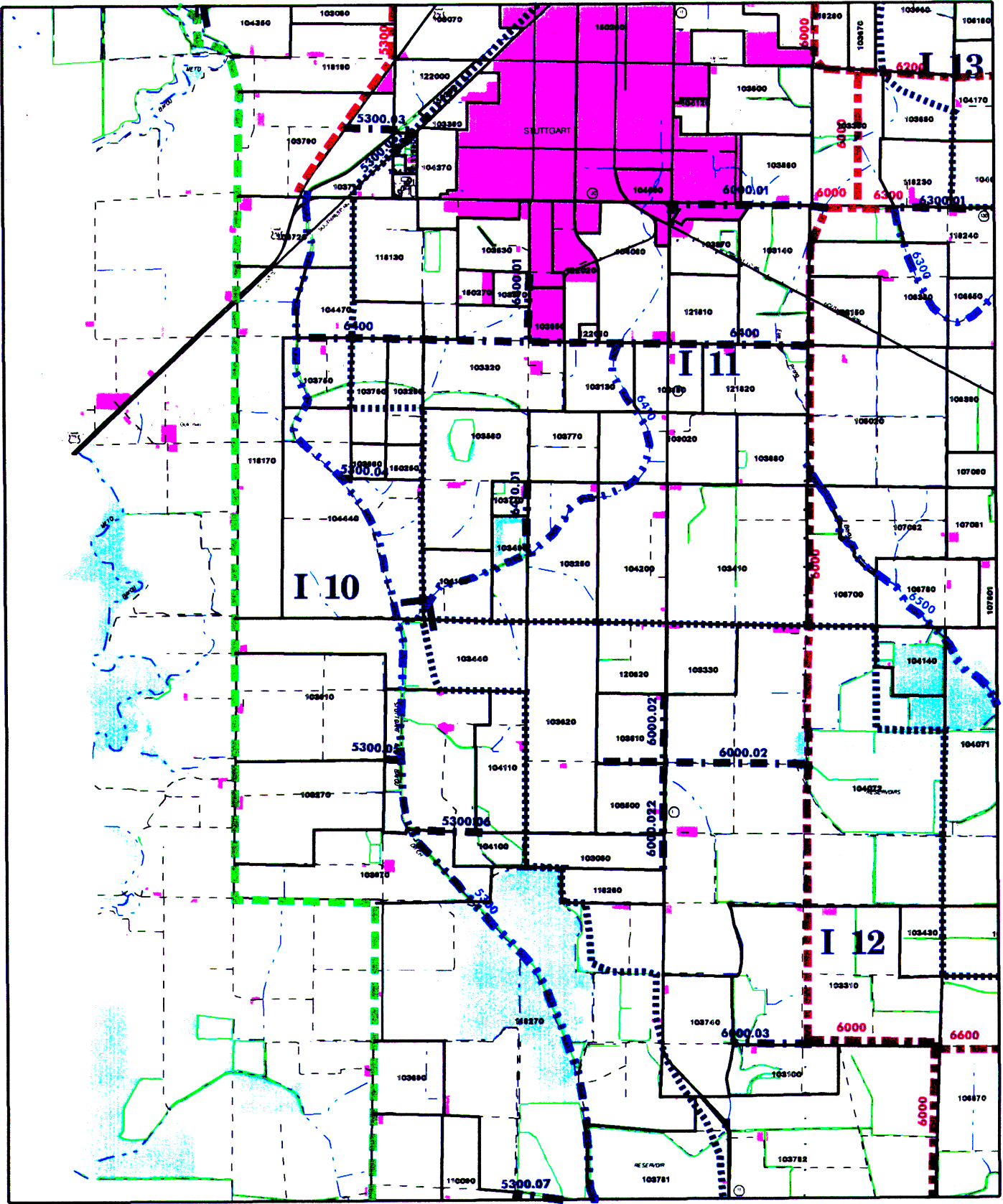


ABERDEEN, AR. (3-D)

TRACTS



STUTTGART NORTH, AR (3-B)



LODGE CORNER, AR (5-B)

ALUMINA, AR (4-C)

**US Army Corps  
of Engineers  
Memphis District**

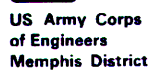
- LEGEND**
- DEMONSTRATION PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - ITEM BOUNDARIES




SCALE 1:62,500



**STUTTGART SOUTH, AR (4-B)**  
**TRACTS**



[illegible]

 DEMONSTRATION  
 NEW CANAL  
 EXISTING CHANNEL  
 PIPELINE  
 ITEM BOUNDARIES

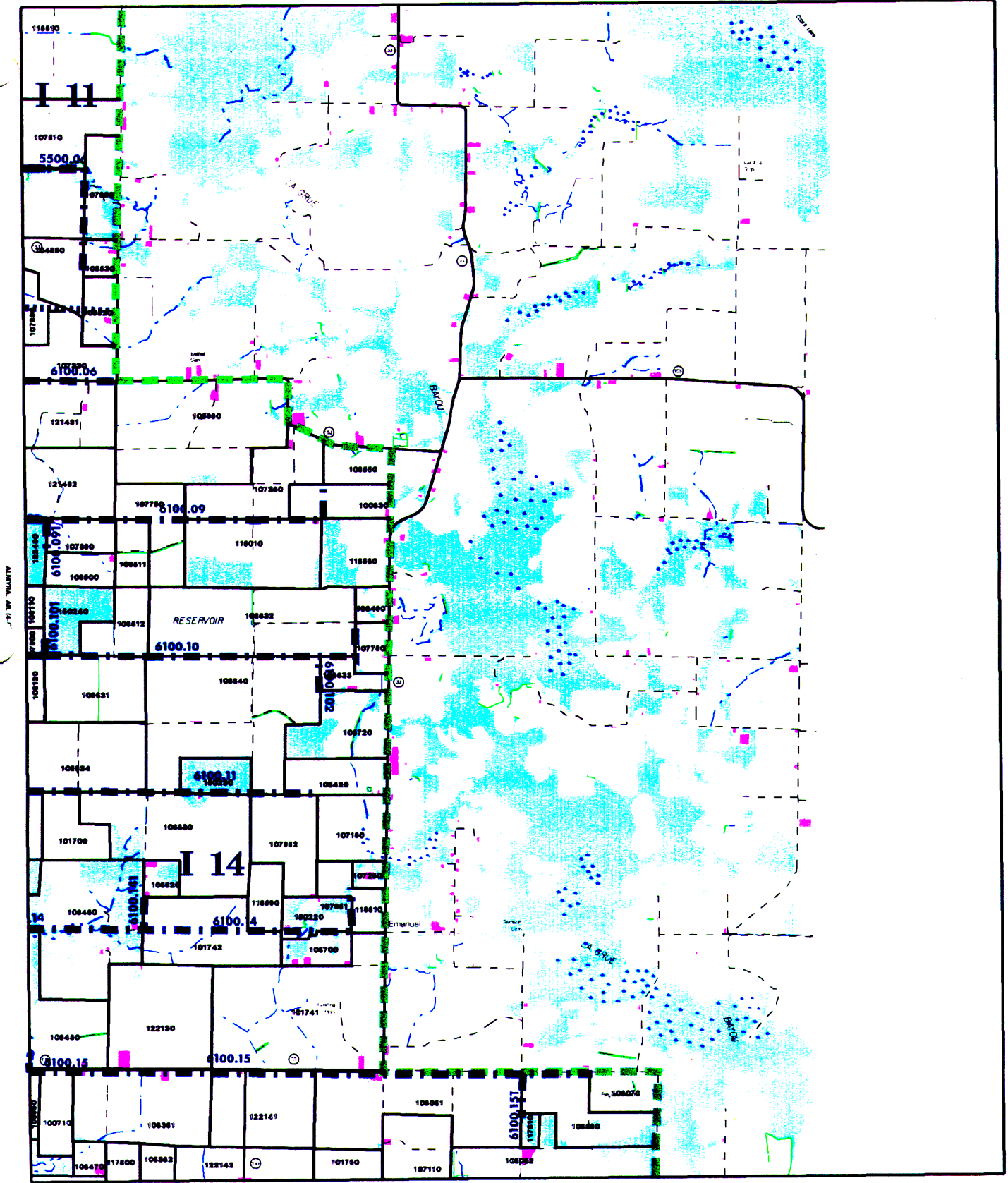
SCALE 1:62500



## TRACTS



ABERDEEN, AR. (3-D)



ALABAMA, AR. (4-D)

DeWITT, AR. (5-D)



US Army Corps  
of Engineers  
Memphis District

- LEGEND
- DEMONSTRATION PROJECT BOUNDARY
  - NEW CANAL
  - EXISTING CHANNEL
  - PIPELINE
  - ITEM BOUNDARIES

SCALE 1:62500



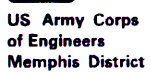
DeWITT NE, AR. (4-D)

TRACTS







[illegible]

### LEGEND

## TRACTS



